

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 7207
6 - 29 July 1972

and

CalCOFI Cruise 7210
23 September - 16 November 1972

SIO Reference 85-20
1 November 1985

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Approved for distribution:


W. A. Nierenberg, Director

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INTRODUCTION

The data in this report were collected during Cruises 7207* and 7210 of the California Cooperative Oceanic Fisheries Investigations (CalCOFI) program aboard the RV *David Starr Jordan* of the National Marine Fisheries Service, the RV *Alexander Agassiz* of the Scripps Institution of Oceanography, and the RV *Alaska* of the California Department of Fish and Game. The extended 7210 cruise pattern was designed to collect data across the California Current from 45°N to 20°N, much the same pattern as was used on the NORPAC cruise in the late summer of 1955. This extended pattern for the early fall had previously been conducted in the late spring of 1972. Besides allowing the first larger overview of the California Current since January 1965, the cruise was used to collect data near three deep-moored buoys which have been recording meteorological data and temperature data (surface to 300 meters) for several months.

These data were collected and processed mainly by personnel of the Data Collection and Processing Group, Marine Life Research Group (DCPG**, MLRG), Scripps Institution of Oceanography.

STANDARD PROCEDURES

Hydrographic Cast Data

The hydrographic casts consisted of 12 to 18 Nansen bottles with the maximum sampling depth at most stations being 1200 meters, bottom depth permitting. Casts deeper than 3000 meters were lowered at 60.70***, 70.80, 80.70, 80.80, and 83.75 on the *Agassiz* in July. During the *Agassiz* cruise in October, casts deeper than 4000 meters were lowered on the extended lines at 46.137****, 46.145, Buoy 56, Buoy 48, 39.137, 39.145, 35.133, and 35.139 in addition to casts deeper than 3000 meters repeated at 80.70, 80.80, and 83.75. Temperature, salinity, oxygen and nutrients were determined for all depths on most stations.

On STD lowerings where hydrographic casts were not made, a Nansen bottle was usually placed on the wire a few meters above the STD and another bottle was lowered to a depth of approximately 10 meters. Temperature, salinity and oxygen were determined for most of the 10 meter samples from the *Jordan* and the *Agassiz*.

In general, paired, protected reversing thermometers were used to determine temperatures; the readings were recorded to hundredths of a Celsius degree. Temperatures on the deep casts made during the cruises in this report are recorded only in hundredths of a Celsius degree because specially scaled low-range thermometers were not available. Surface temperatures from "bucket" thermometers and temperatures determined using unprotected (pressure) thermometers were recorded to tenths of a degree. Sample bottles used below 100 meters were equipped with unprotected thermometers for determination of the depth of sampling.

The inductive salinometers used to analyze the salinity samples on the *Jordan* for 7207 and 7210 operated well. The *Agassiz* had operating problems on 7210 with the inductive salinometer and on both cruises with the University of Washington Bridge used to analyze the samples collected on the deep lowerings. All salinity values for deep lowerings made on 7207 were omitted and many values on 7210 have been listed only to hundredths. The 10 meter samples collected on the *Alaska* in July were analyzed ashore by inductive salinometer within a week after completion of the cruise.

* The first two digits represent the year and the second digits the month of the cruise.

** Now the Physical and Chemical Oceanographic Data Facility (PACODF).

*** The CalCOFI station designations have been in use for over thirty years. The digits preceding the decimal specify a line normal to the general trend of the coast line (CalCOFI line). The digits following the decimal specify a station position relative to the coast on the CalCOFI line. One CalCOFI digit equals 4 nautical miles.

**** This is not a CalCOFI station designation. In this oceanic station designator, the first two digits are north latitude; the latter three digits are west longitude.

The salinity values were recorded and are reported to three decimal places, provided accepted standards were met. If only one determination per sample was obtained, or there was doubt concerning the accuracy of the analytical results, the salinities are reported to two decimal places. All STD salinities are tabulated to hundredths.

Dissolved oxygen was determined by the Winkler method as modified by Carpenter (1965), using the equipment and procedure outlined by Anderson (1971).

Phosphate, silicate, nitrite, and nitrate were determined using a standard Beckman Model DU spectrophotometer. Reactive phosphate was analyzed using the method of Murphy and Riley (1962), with the specific procedure outlined by Anderson (1971); reactive silicate by the method of Strickland and Parsons (1968); nitrate by the method of Wood *et al.* (1967); and nitrite by the method of Bendschneider and Robinson (1952).

Phytoplankton pigment and production data resulting from these cruises have been reported earlier by Owen (1974).

The observed data have been evaluated using the method described by Klein (1973). This involves consideration of their variation as functions of density or depth and their relations to each other, and comparisons with adjacent observations.

In situ Salinity/Temperature/Depth Recorder (STD) Data

The STD used on the *Agassiz* for 7207 malfunctioned most of the cruise. The digital data logger failed to record the data on tape and the analogs were difficult to digitize due to frequent interruptions in the recordings. Only data for those stations where no hydrographic lowerings were made have been used for the horizontal charts. Slight temperature corrections were needed to the data on 7207 and 7210 for both ships, and the salinity correction applied to the *Jordan* on both cruises and the *Agassiz* on 7207 varied from $\pm 0.00\%$ at the surface to approximately -0.10% at 1000 meters. The cruise in October on the *Agassiz* had a considerable offset, so a large correction of approximately -0.20% at the surface to -0.40% at 1000 meters was applied.

TABULATED DATA

The time reported is Greenwich Mean Time. For STD lowerings it is the "start down" time, and for bottle casts it is the time of messenger release. When more than one cast was lowered on a station, the messenger time for the first and last casts are given. Multiple casts, excluding the surface cast, are indicated by a footnote letter following the observed depth.

Bottom depths, determined acoustically, have been corrected using Matthews' (1939) tables and are reported in meters. The weather and dominant waves are coded using the National Oceanographic Data Center (NODC) method.

Data for all cruises presented in this report were obtained by bottle casts and by the STD, and appear in two forms:

1. Data from the sample bottles appear with the observed levels of depth on the left of a page. Temperature, salinity, and oxygen are interpolated from the observations at standard levels of depth on the right of the page. Computed values of thermosteric anomaly (DT) are included with the observed levels and computed values of sigma-t (SIGT), thermosteric anomaly (DT), and geopotential anomaly (DD) are included with the interpolated levels.
2. Data at standard levels of depth from the STD lowerings appear on the right of a page with computed values of sigma-t, thermosteric anomaly and geopotential anomaly included.

The same parameters have been tabulated in this report as in previous reports. The decimal has been omitted from the CalCOFI station number, so station 80.70 appears in the tabulated data as 80070. The column headings are to be interpreted as follows:

Z	Depth	Meters
T	Temperature	°C
S	Salinity	‰
O ₂	Dissolved oxygen	ml/L
PO ₄	"Reactive" inorganic phosphate-phosphorous	µg-at/L
SiO ₃	"Reactive" inorganic silicate-silicon	µg-at/L
NO ₂	"Reactive" nitrite-nitrogen	µg-at/L
NO ₃	"Reactive" nitrate-nitrogen	µg-at/L
DT	$\delta_T = \text{Thermosteric anomaly}$	cl/ton
SIGT	$\sigma_t = (\rho_{s,t,o} - 1)10^3$ where $\rho_{s,t,o}$ is the density the parcel would have if moved isothermally to the sea surface.	g/L
DD	Geopotential anomaly, referred to the sea surface.	dyn. meters

FOOTNOTES

In addition to footnotes, special notations are used without footnotes because the meaning is always the same.

P: After depth value indicates the Nansen bottles posttripped.

U: Uncertain value. Values which are not used in interpolation because they seem to be in error without apparent reason.

V: Because of time differences, overlapping casts show some disagreement. Values not used in interpolation.

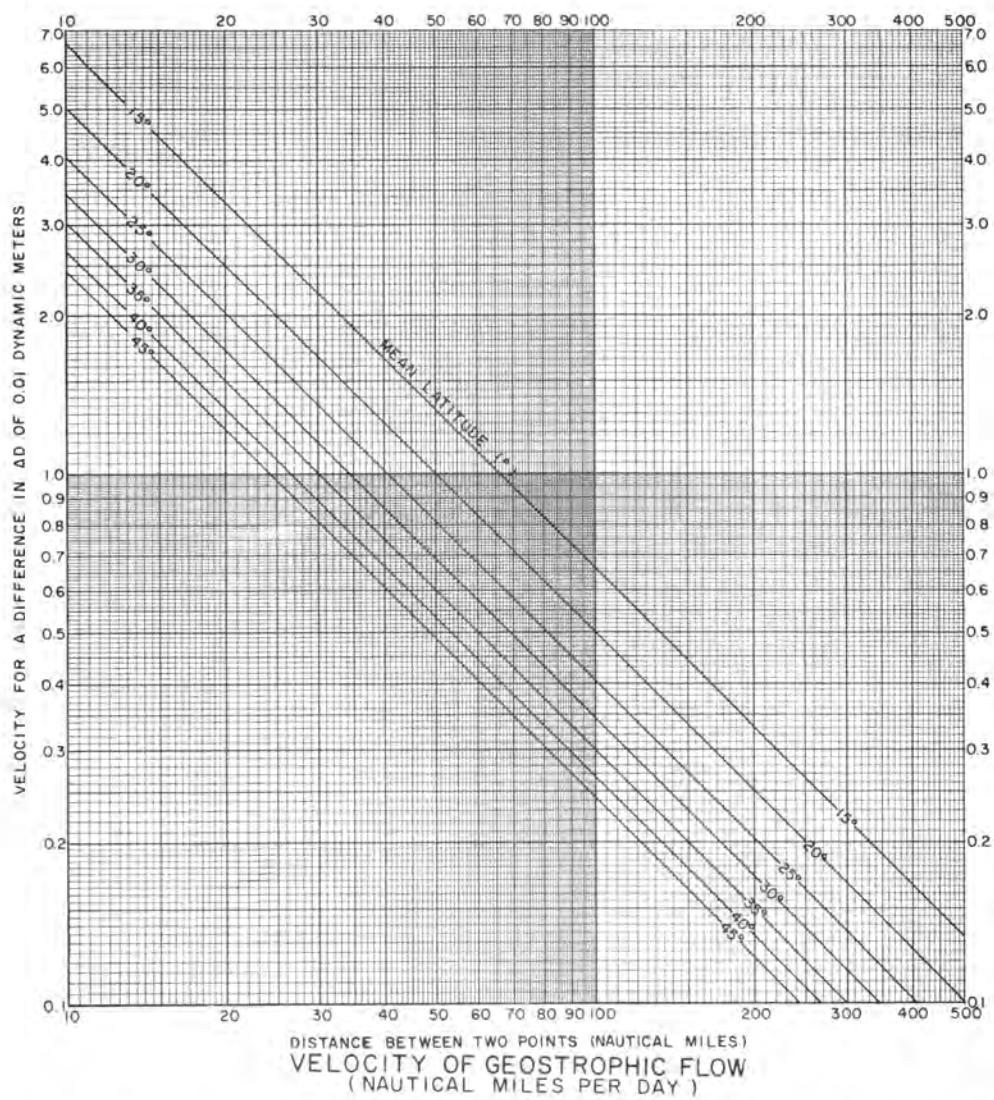
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cm/sec	0	1	2	3	4	5	6	7	8	9
0	KNOTS NM/DAY	0.02 0.47	0.04 0.93	0.06 1.40	0.08 1.86	0.10 2.33	0.12 2.80	0.14 3.26	0.16 3.73	0.17 4.20
10	0.19 4.66	0.21 5.13	0.23 5.59	0.25 6.06	0.27 6.53	0.29 6.99	0.31 7.46	0.33 7.93	0.35 8.39	0.37 8.86
20	0.39 9.32	0.41 9.79	0.43 10.26	0.45 10.72	0.47 11.19	0.49 11.66	0.51 12.12	0.52 12.59	0.54 13.05	0.56 13.52
30	0.58 13.99	0.60 14.45	0.62 14.92	0.64 15.38	0.66 15.85	0.68 16.32	0.70 16.78	0.72 17.25	0.74 17.72	0.76 18.18
40	0.78 18.65	0.80 19.11	0.82 19.58	0.84 20.05	0.85 20.51	0.87 20.98	0.89 21.45	0.91 21.91	0.93 22.38	0.95 22.84
50	0.97 23.31	0.99 23.78	1.01 24.24	1.03 24.71	1.05 25.17	1.07 25.64	1.09 26.11	1.11 26.57	1.13 27.04	1.15 27.51
60	1.17 27.98	1.18 28.44	1.20 28.90	1.22 29.37	1.24 29.84	1.26 30.30	1.28 30.77	1.30 31.24	1.32 31.70	1.34 32.17
70	1.36 32.63	1.38 33.10	1.40 33.57	1.42 34.03	1.44 34.50	1.46 34.96	1.48 35.43	1.50 35.90	1.52 36.36	1.53 36.83
80	1.55 37.30	1.57 37.76	1.59 38.23	1.61 38.69	1.63 39.16	1.65 39.63	1.67 40.09	1.69 40.56	1.71 41.03	1.73 41.49
90	1.75 41.96	1.77 42.42	1.79 42.89	1.81 43.36	1.83 43.82	1.85 44.29	1.86 44.76	1.88 45.22	1.90 45.69	1.92 46.15
100	1.94 46.62	1.96 47.09	1.98 47.55	2.00 48.02	2.02 48.48	2.04 48.95	2.06 49.42	2.08 49.88	2.10 50.35	2.12 50.82

CONVERSION TABLE
(CENTIMETERS / SECOND - KNOTS - NAUTICAL MILES / DAY)

1 cm/sec = 0.019 kts = 0.466 NAUTICAL MILES / DAY

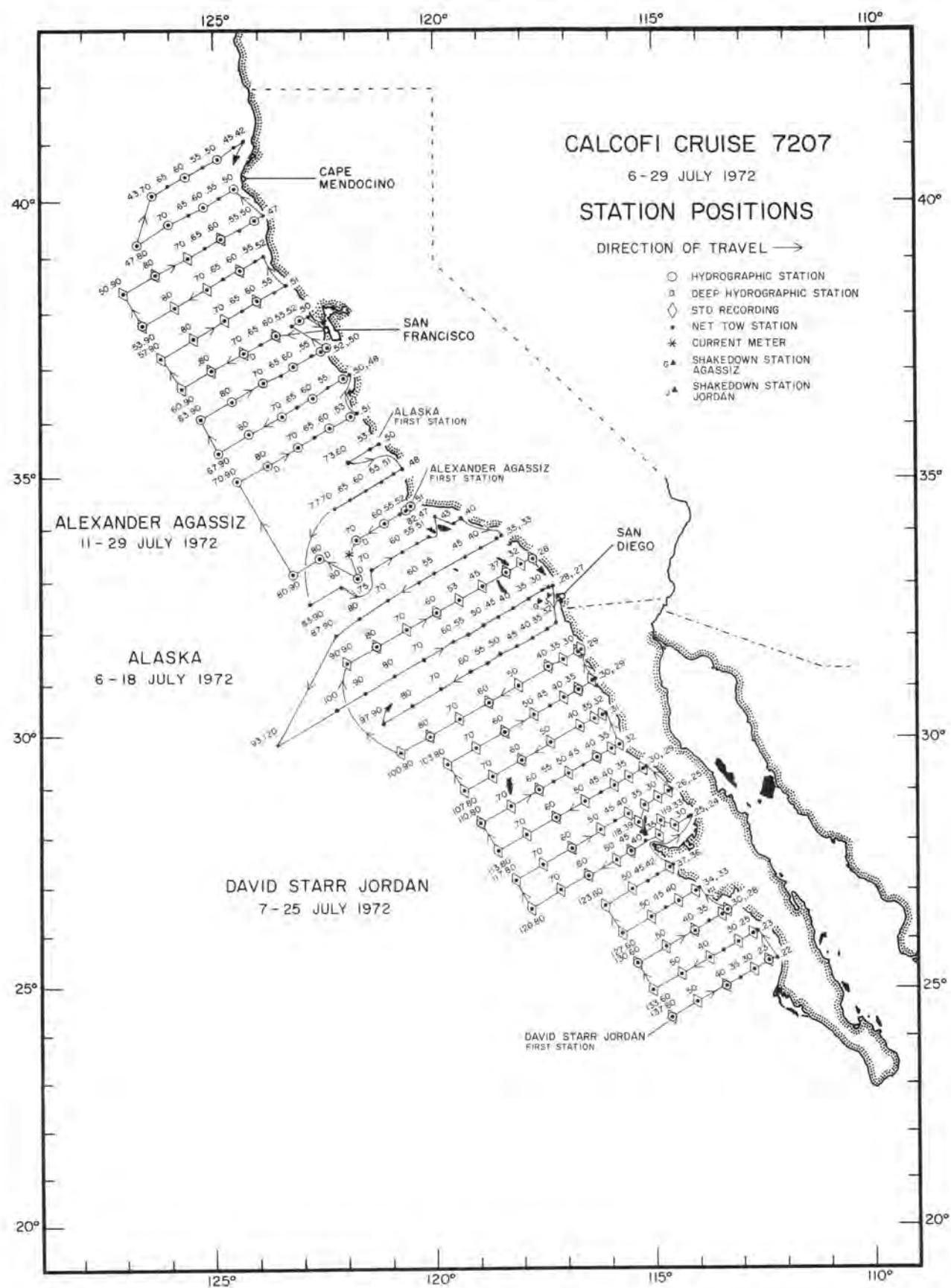
1 kt = 24 NAUTICAL MILES / DAY = 51.48 cm/sec

1 NAUTICAL MILE / DAY = 0.042 kts = 2.14 cm/sec

FIGURES

Cruise 7207

1. CalCOFI Cruise 7207, station positions.
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar).
3. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar).
4. Horizontal distribution of temperature at 10 meters.
5. Horizontal distribution of salinity at 10 meters.
6. Horizontal distribution of thermosteric anomaly at 10 meters.
7. Horizontal distribution of temperature at 200 meters.
8. Horizontal distribution of salinity at 200 meters.
9. Horizontal distribution of thermosteric anomaly at 200 meters.



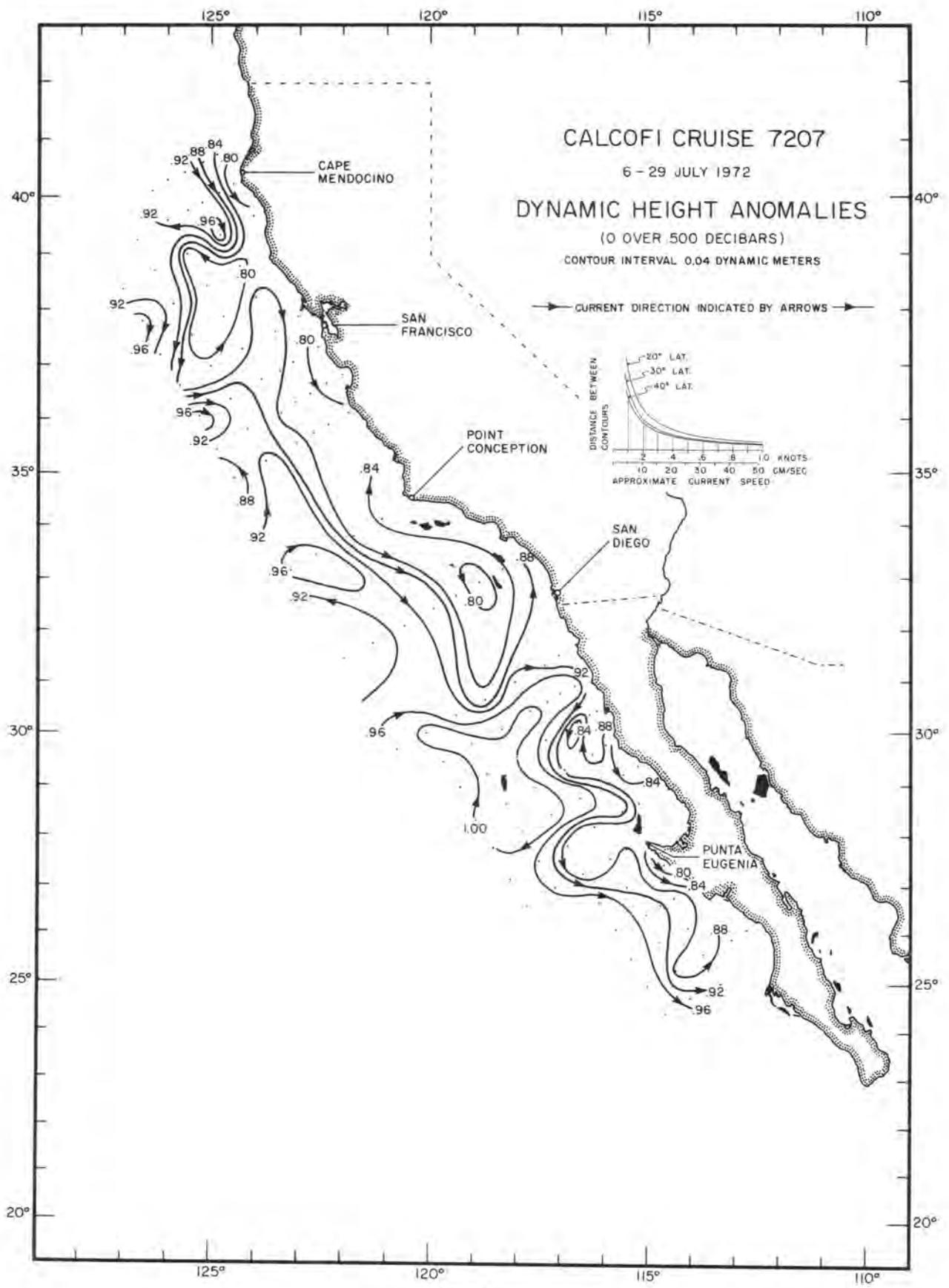


FIGURE 2

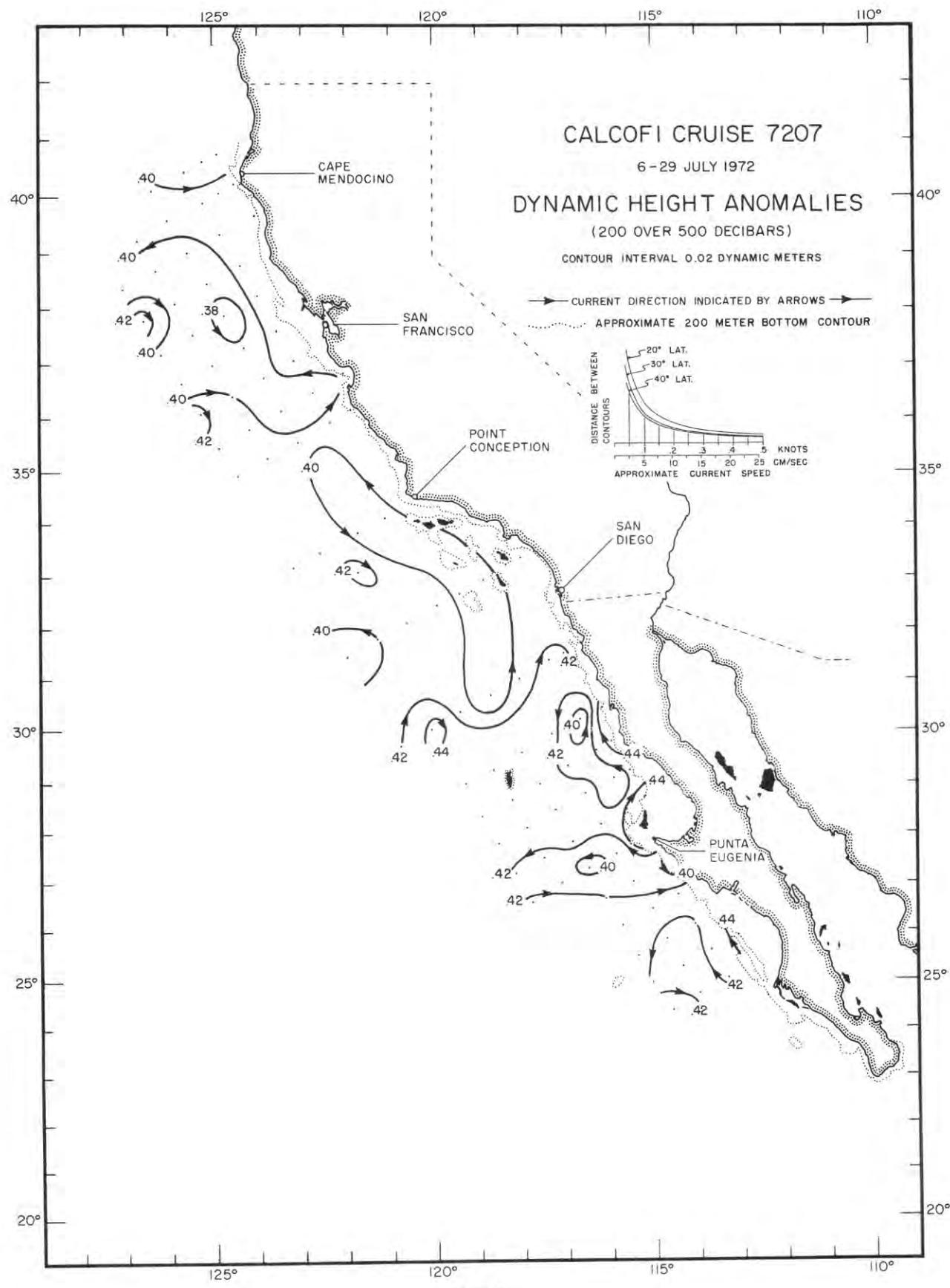


FIGURE 3

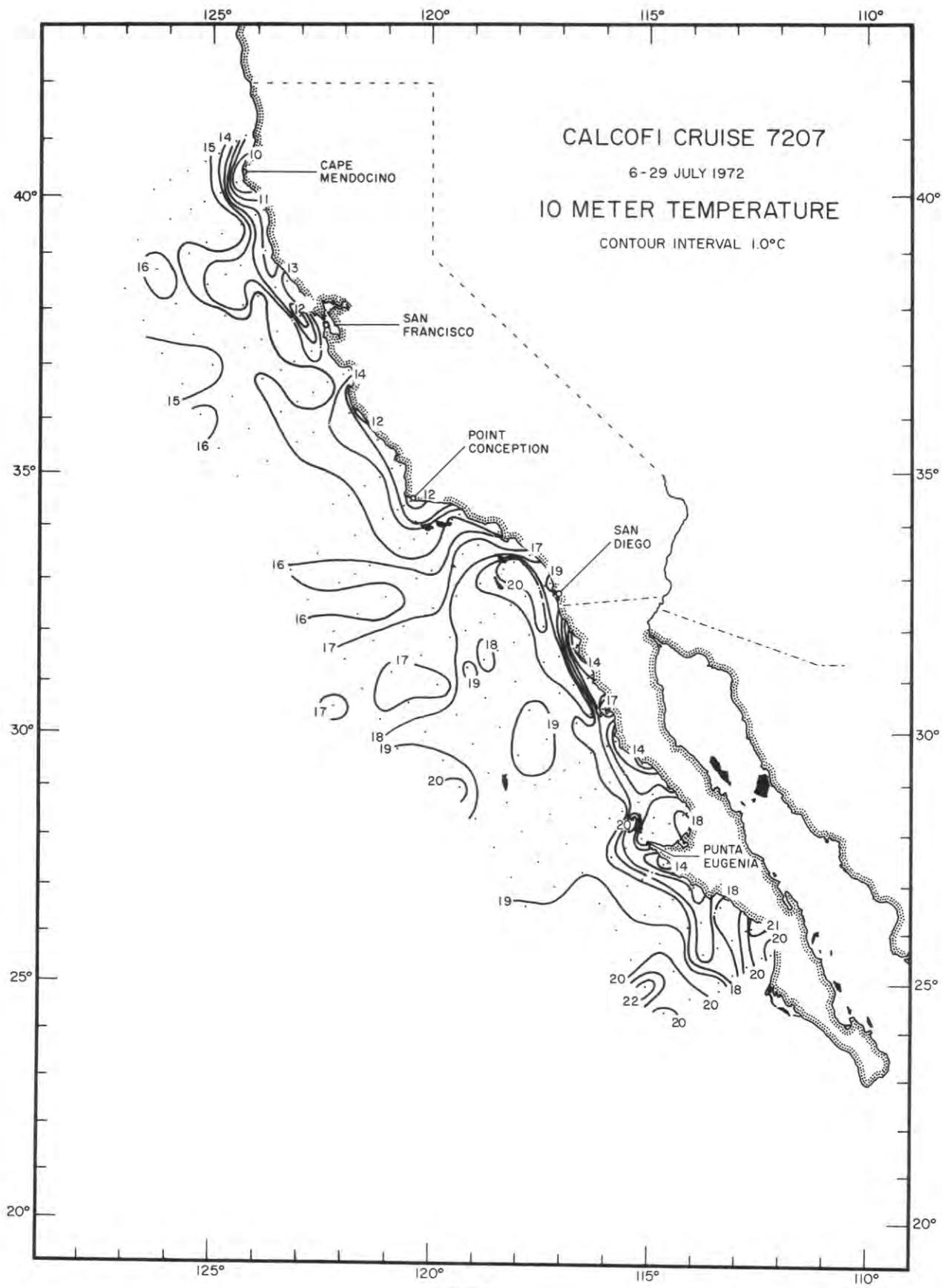
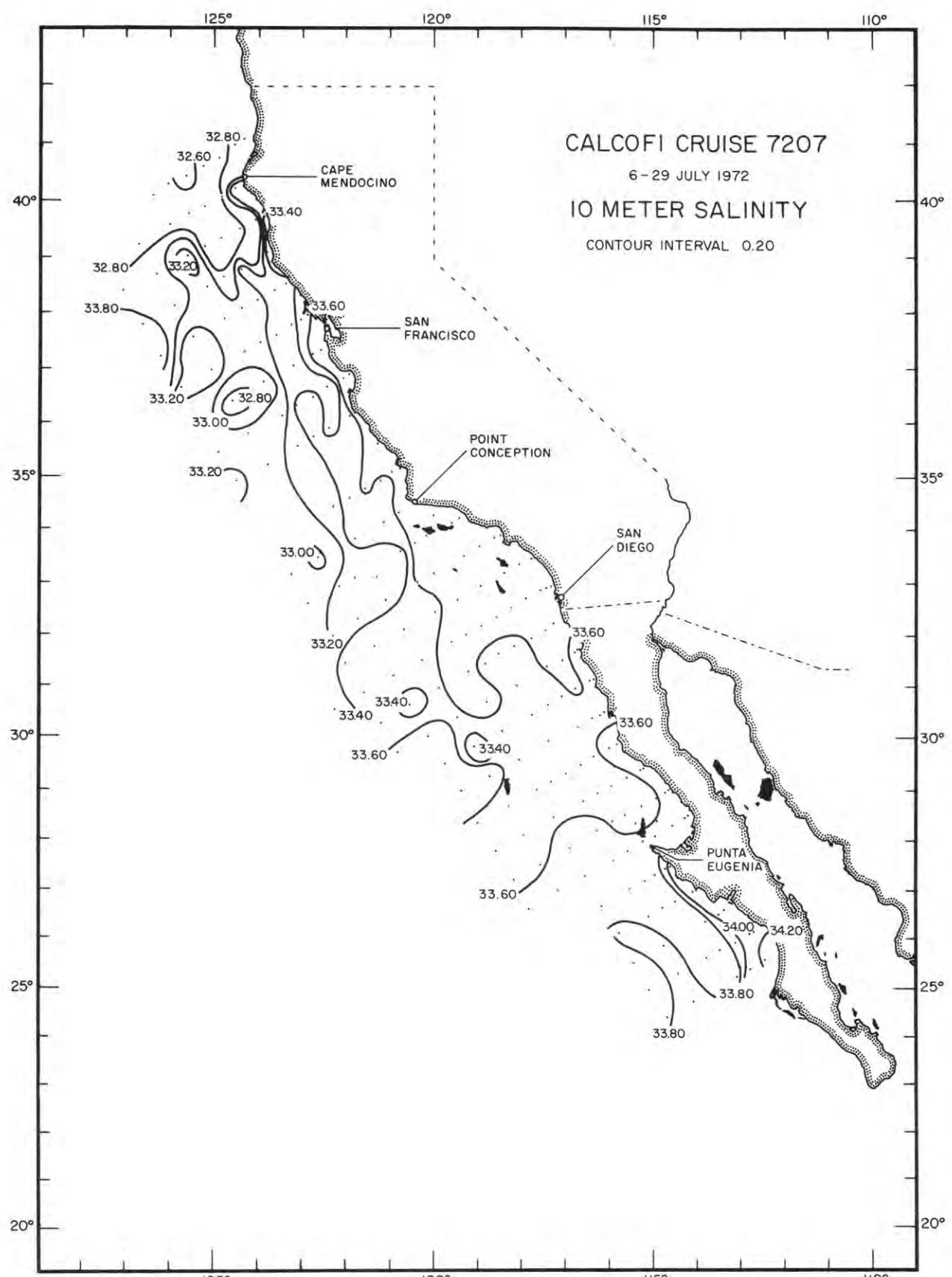


FIGURE 4



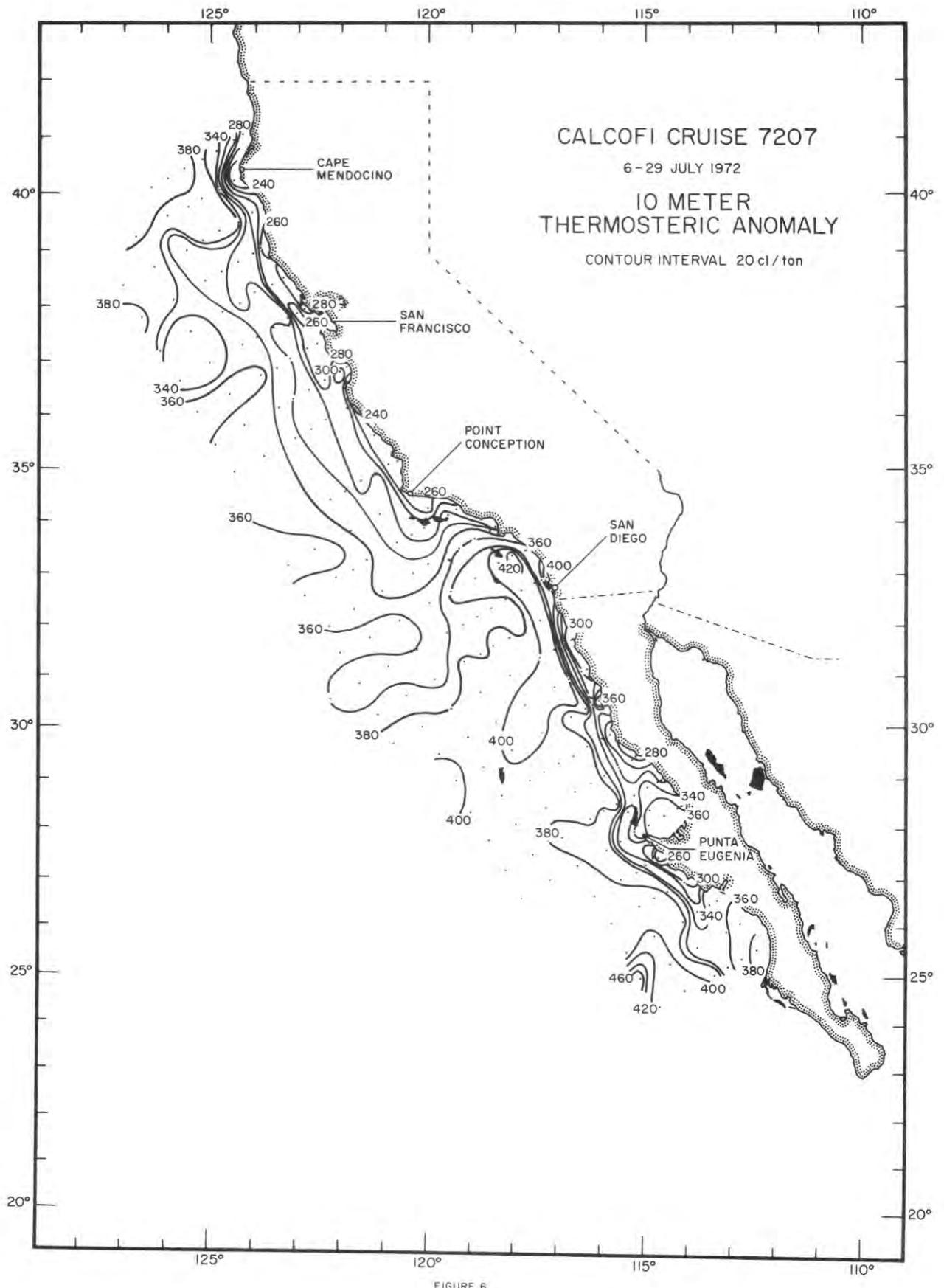


FIGURE 6

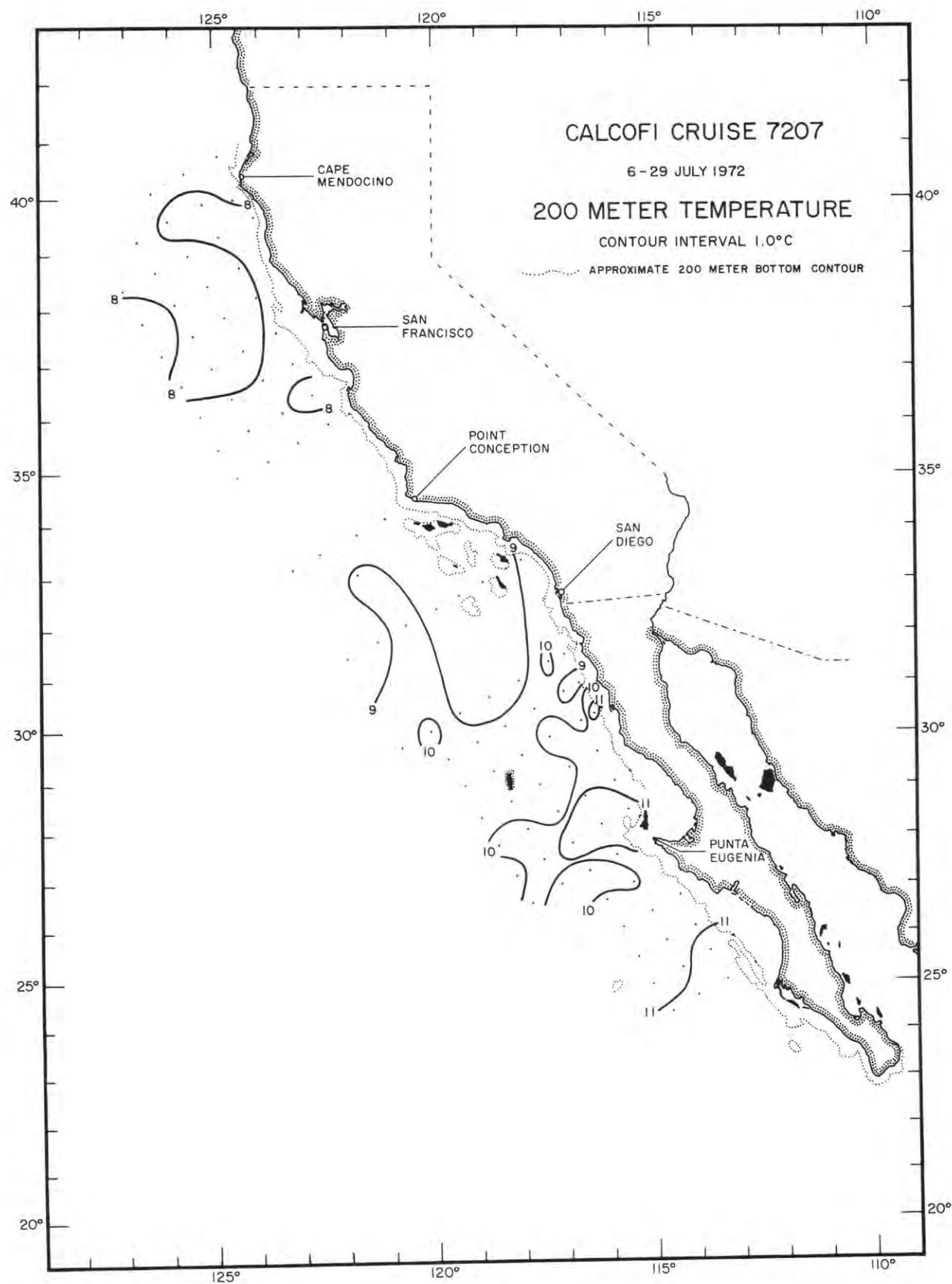


FIGURE 7

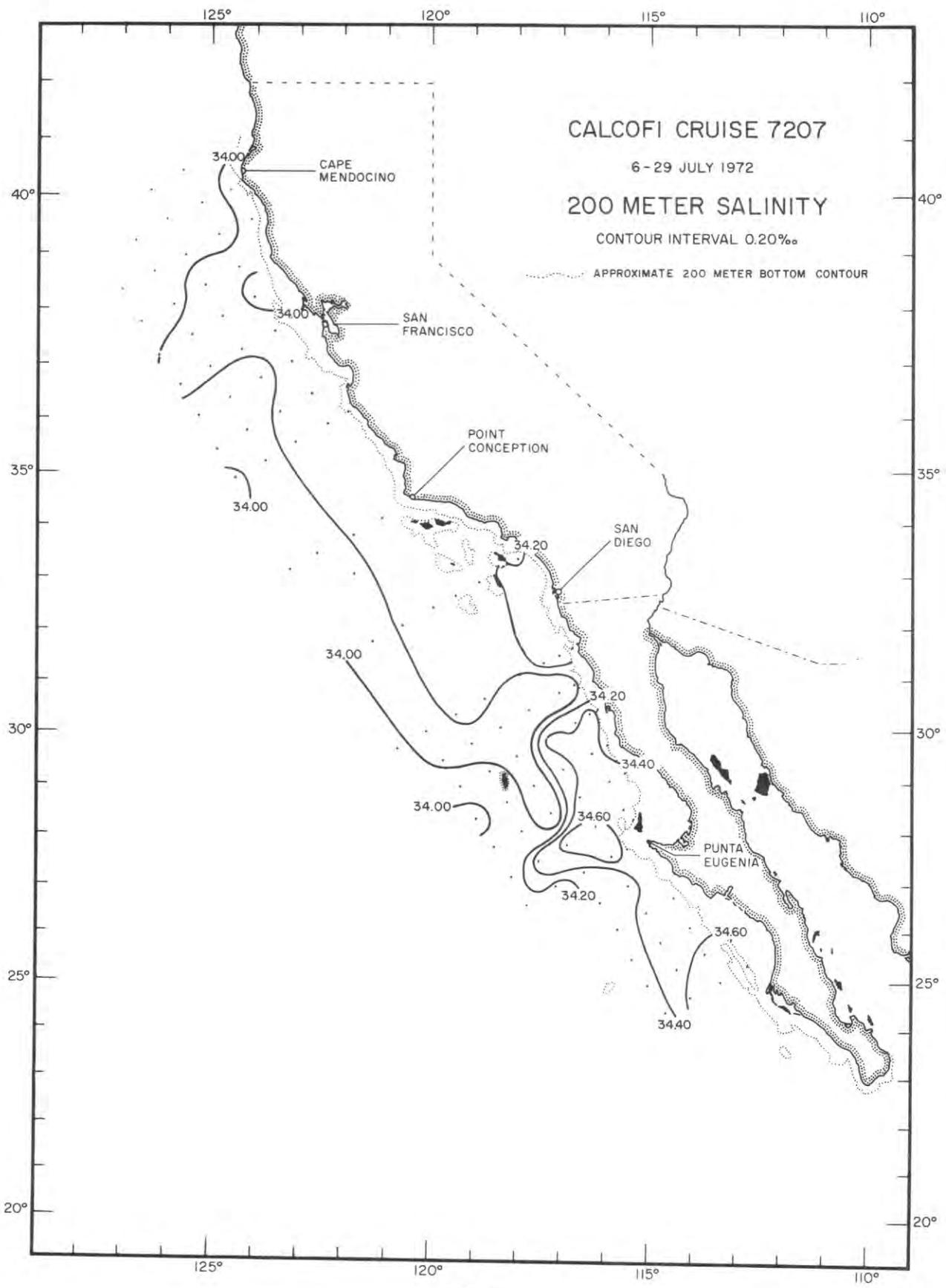


FIGURE 8

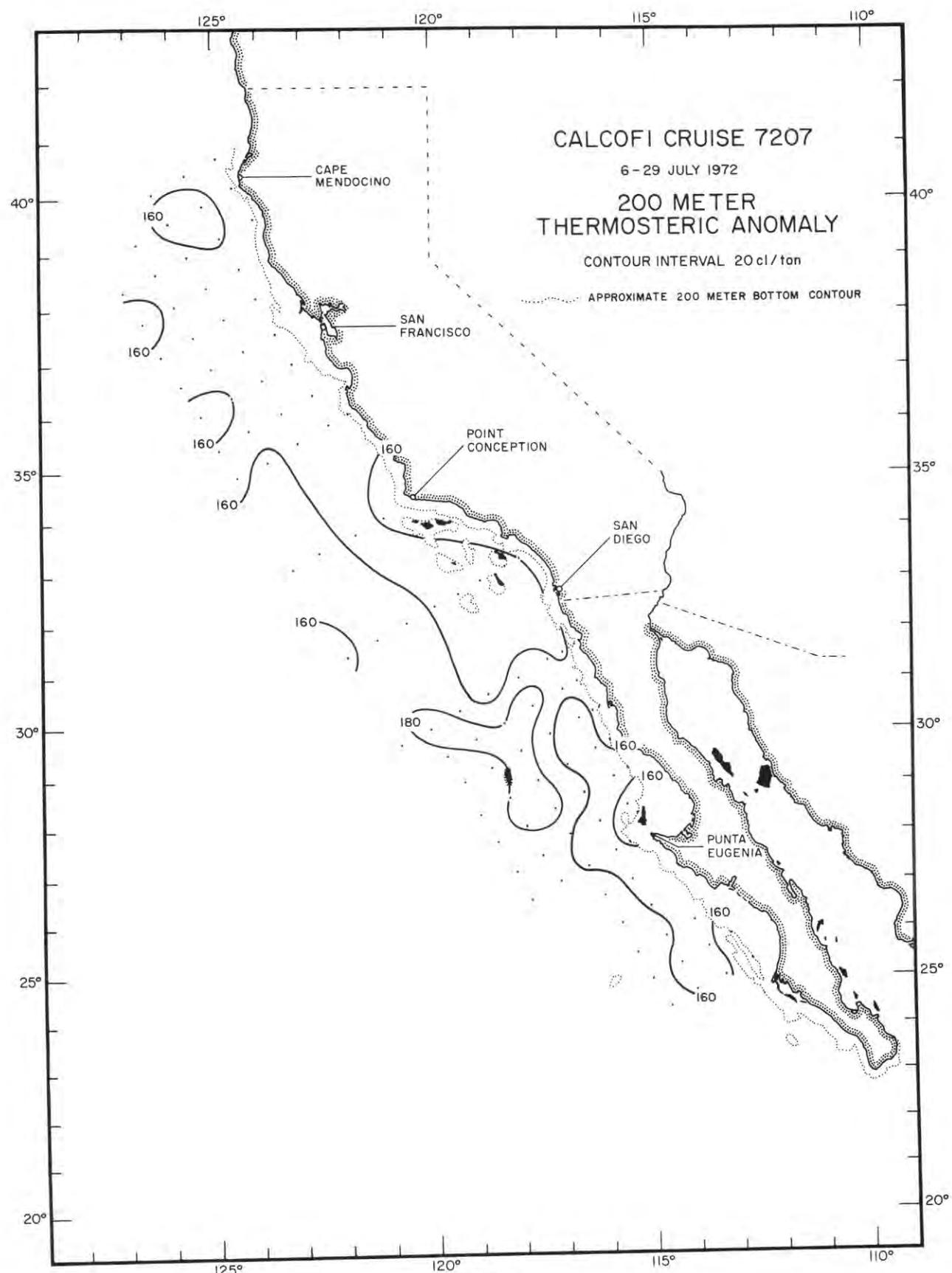


FIGURE 9

PERSONNEL

Cruise 7207

SHIPS' CAPTAINS

Davis, Laurence E., RV *Alexander Agassiz*
Forster, Charles W., RV *David Starr Jordan*
Ferlendo, A., RV *Alaska*

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV *Alexander Agassiz*

Bryan, Walter R. (in charge)	Marine Technician, SIO
Backman, Thomas	Laboratory Helper, SIO
Barker, Susan G.	Marine Technician, SIO
Dominguez, Jaime	Student, ESCM, Mexico
Dumas, Frederick	Marine Technician, SIO
Kimura, Makoto	Fishery Biologist, NMFS
Osgood, Alan C.	Marine Technician, GEOSECS
Patla, Susan M.	Marine Technician, SIO
Ruth, Edward	Staff Research Associate, IGPP-UCLA
Schmitt, James A.	Electronics Technician, SIO
Seibold, Stephen F.	Laboratory Helper, SIO
Wells, James A.	Marine Technician, SIO
Yates, Robert	Marine Technician, SIO

RV *David Starr Jordan*

Counts, Robert C. (in charge)	Fishery Biologist, NMFS
Ayala, Ruben	Student, ESCM, Mexico
Brown, Jack	Electronics Technician, NMFS
Carlson, Robert M.	Laboratory Helper, SIO
Castile, Brett D.	Physical Science Technician, NMFS
Gordon, Raymond D.	Engineering Aide, MPL-UCSD
Guevara, Sergio	Student, ESCM, Mexico
Hemingway, George T.	Staff Research Associate, SIO
Holiday, Van	Graduate Student, APIS-UCSD
Innis, David B.	Laboratory Helper, SIO
James, Brian J.	Marine Technician, GEOSECS
Jensen, Dennis F.	Laboratory Helper, SIO
Metoyer, Jack D.	Laboratory Technician, NMFS
Sanchez, Carol A.	Biology Laboratory Technician, NMFS
Sinclair, Michael M.	Marine Technician, SIO

RV Alaska

Paloma, Pedro A. (in charge)	Fishery Biologist, NMFS
Costello, James P.	Staff Research Associate, SIO
Lehtonen, Phillip B.	Aquatic Biologist, CF&G
MacCall, Alec D.	Associate Marine Biologist, CF&G

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

43050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
40 45.5 N	124 57.0 W	07/29/72	0403 GMT		2671 M	O10	21 KT	2	O10 08 05						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.27	32.789			349.4	0	14.27	32.789	24.447	349.4	0.000				
10	14.25	32.785			349.3	10	14.25	32.785	24.448	349.3	0.035				
30	10.78	32.662			294.9	20	12.68	32.705	24.702	325.1	0.069				
55	9.24	32.781			261.7	30	10.78	32.662	25.018	294.9	0.100				
70	8.36	32.842			244.3	50	9.42	32.752	25.316	266.6	0.156				
85	8.82	33.193			224.9	75	8.46	32.948	25.617	237.9	0.219				
100	8.82	33.461			205.0	100	8.82	33.461	25.964	205.0	0.275				
130	8.08	33.719			175.1	125	8.22	33.691	26.235	179.2	0.324				
156	7.83	33.886			159.2	150	7.88	33.856	26.416	162.1	0.367				
182	7.50	33.915			152.5	200	7.29	33.926	26.555	148.9	0.446				
217	7.12	33.936			145.9	250	6.96	33.981	26.644	140.4	0.520				
282	6.84	34.027			135.5	300	6.69	34.042	26.728	152.5	0.590				
381	5.98	34.093			119.9	400	5.85	34.107	26.888	117.3	0.720				
481	5.42	34.166			107.8	500	5.35	34.179	27.006	106.1	0.837				
615	4.98	34.250			96.7	600	5.02	34.241	27.094	97.8	0.945				
767	4.49	34.340			84.7	700	4.70	34.303	27.179	89.7	1.046				
914	4.06	34.393			76.4	800	4.39	34.353	27.253	82.7	1.140				
1119	3.51	34.470			65.3	1000	3.82	34.425	27.369	71.7	1.311				

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

43060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
40 28.0 N	125 41.0 W	07/28/72	2159 GMT		2890 M	360	21 KT	2	O10 08 06						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.29	32.586	5.99	2.	0.07	0.0	385.0	0	15.29	32.586	5.99	24.073	385.0	0.000	
10	15.28	32.575	6.00	1.	0.06	0.0	385.6	10	15.28	32.575	6.00	24.067	325.6	0.039	
30	15.21	32.598	6.00	2.	0.04	0.0	382.4	20	15.24	32.587	6.00	24.083	384.0	0.077	
55	12.04	32.821	6.67	0.	0.06	0.0	304.9	30	15.21	32.598	6.00	24.100	382.4	0.115	
71	9.86	32.775	6.66	2.	0.16	0.8	271.7	50	12.82	32.777	6.54	24.729	322.4	0.186	
86	8.99	32.804	6.28	5.	0.14	5.2	256.1	75	9.54	32.778	6.57	25.316	266.6	0.260	
101	8.77	32.907	6.07	10.	0.08	7.4	245.3	100	8.78	32.899	6.08	25.532	246.1	0.325	
131	8.14	33.254	5.35	18.	0.06	14.5	210.5	125	8.26	33.178	5.51	25.827	218.0	0.375	
156	7.85	33.534	4.66	26.	0.04	19.7	185.6	150	7.89	33.466	4.80	26.108	191.4	0.435	
181	7.93	33.860	4.71	30.	0.04	19.8	162.5	200	7.70	33.900	4.59	26.476	156.4	0.523	
217	7.40	33.906	4.41	37.	0.03	23.0	151.8	250	6.89	33.915	4.01	26.601	144.5	0.600	
282	6.50	33.931	3.53	50.	0.03	31.1	138.3	300	6.38	33.958	3.14	26.703	134.8	0.672	
382	5.98	34.080	1.52	75.	0.02	37.6	120.8	400	5.84	34.089	1.38	26.875	118.5	0.803	
480	5.22	34.117	1.06	89.	0.02	41.5	109.3	500	5.11	34.134	0.97	26.998	106.8	0.921	
614	4.66	34.239	0.58	112.	0.04	44.1	94.1	600	4.70	34.225	0.62	27.118	95.5	1.028	
766	4.25	34.341	0.44	125.	0.03	44.1	82.2	700	4.41	34.301	0.50	27.209	86.9	1.126	
913	3.83	34.420	0.47	136.	0.03	45.8	72.1	800	4.15	34.361	0.45	27.285	79.7	1.216	
1120	3.31	34.493	0.64	152.	0.00	45.8	61.8	1000	3.60	34.456	0.52	27.416	67.2	1.379	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

43070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WTND	SPEED	WEATHER	DOMINANT WAVES						
40 5.0 N	126 26.5 W	07/28/72	1442 GMT		4239 M	O10	22 KT	2	O10 10 05						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.55	32.682			383.4	0	15.55	32.682	24.090	383.4	0.000				
10	15.56	32.680			383.7	10	15.56	32.680	24.086	383.7	0.038				
30	14.85	32.753			363.7	20	15.35	32.718	24.161	376.6	0.076				
56	11.92	32.721			310.1	30	14.85	32.753	24.296	363.7	0.114				
71	11.00	32.773			290.4	50	12.62	32.722	24.726	322.8	0.182				
86	10.26	32.830			274.0	75	10.80	32.790	25.114	285.8	0.259				
101	9.45	32.864			258.7	100	9.50	32.862	25.388	259.7	0.327				
132	8.62	33.175			223.2	125	8.74	33.088	25.685	231.5	0.389				
157	8.26	33.489			196.8	150	8.35	33.402	25.990	202.5	0.444				
182	7.85	33.745			170.0	200	7.73	33.868	26.446	159.2	0.536				
217	7.65	33.947			152.2	250	7.21	34.006	26.629	141.8	0.613				
283	6.73	34.012			135.2	300	6.59	34.022	26.726	132.7	0.684				
383	6.09	34.056			123.9	400	5.96	34.064	26.841	121.8	0.816				
483	5.36	34.110			111.4	500	5.28	34.125	26.972	109.3	0.937				
617	4.83	34.231			96.5	600	4.88	34.216	27.090	98.2	1.047				
769	4.31	34.312			85.0	700	4.54	34.277	27.177	89.9	1.147				
915	3.86	34.414			72.5	800	4.21	34.335	27.258	82.2	1.241				
1122	3.35	34.473			63.6	1000	3.63	34.451	27.409	67.9	1.407				

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

47050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
40 13.5 N	124 33.5 W	07/27/72	1156 GMT		416 M	330	20 KT	2	330 03 04						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	9.68	33.233			235.0	0	9.68	33.233	25.649	235.0	0.000				
11	9.71	33.402			222.9	10	9.71	33.398	25.765	223.9	0.323				
27	9.51	33.485			213.7	20	9.63	33.462	25.835	217.2	0.445				
52	8.83	33.667			199.8	30	9.43	33.505	25.901	210.9	0.667				
83	8.53	33.897			168.										

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

47060

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		
													2595 M	010	24 KT
0	15.49	32.750	5.95	0.31	2.	0.02	0.0	377.2	0	15.49	32.750	5.93	24.155	377.2	0.000
10	15.47	32.748	5.96	0.31	2.	0.00	0.1	376.9	10	15.47	32.748	5.96	24.158	376.9	0.038
30	14.36	32.735	6.13	0.28	2.	0.00	0.0	355.3	20	15.06	32.737	6.04	24.237	369.3	0.075
56	11.48	32.864	6.37	0.47	3.	0.13	1.6	291.9	30	14.36	32.733	6.13	24.365	355.3	0.111
71	10.62	32.901	6.33	0.50	4.	0.28	2.2	274.6	50	12.14	32.825	6.33	24.898	306.4	0.178
86	9.79	32.918	6.16	0.58	4.	0.12	4.6	260.0	75	10.36	32.900	6.30	25.275	270.5	0.250
101	9.67	33.066	5.79	0.90	11.	0.25	9.9	247.2	100	9.68	33.057	5.92	25.512	248.0	0.315
131	9.90	33.439	5.19	1.23	15.	0.42	12.4	273.2	125	9.85	33.368	5.32	25.724	227.8	0.375
148	9.16	33.450	4.66	1.39	22.	0.04	18.1	210.9	150	9.11	33.471	4.59	25.925	209.7	0.431
173	8.79	33.749	3.79	1.67	28.	0.02	23.8	163.2	200	8.45	33.897	3.32	26.362	167.2	0.526
217	8.25	33.941	3.16	1.91	37.	0.01	27.9	161.0	250	7.86	34.003	2.81	26.533	150.9	0.608
282	7.46		2.56	2.20	47.	0.02	32.1	300	7.17	34.037	2.50	26.659	139.0	0.682	
332	5.92	33.973	2.22	2.50	65.	0.01	36.7	128.1	400	5.75	33.987	2.06	26.806	125.0	0.819
480	5.18	34.063	1.29	2.86	84.	0.00	42.2	112.9	500	5.07	34.080	1.17	26.961	110.4	0.942
614	4.00	34.177	0.71	3.10	105.	0.02	46.3	98.1	600	4.64	34.145	0.75	27.077	99.4	1.053
768	4.32	34.316	0.34	3.23	117.	0.01	46.0	64.8	700	4.43	34.257	0.46	27.173	90.3	1.154
914	3.91	34.403	0.35	3.24	130.	0.00	47.8	74.1	800	4.24	34.338	0.34	27.258	82.2	1.247
1119	3.54	34.470	0.66	3.27	144.	0.00	47.8	63.8	1000	3.67	34.450	0.44	27.396	69.1	1.415

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

47070

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		
													3888 M	360	20 KT
1	15.50	32.737						378.3	0	15.50	32.737	24.143	378.3	0.000	
11	15.48	32.729						378.5	10	15.49	32.731	24.141	378.5	0.038	
30	15.27	32.725						374.4	20	15.38	32.725	24.161	374.5	0.076	
54	11.63	32.829						297.1	30	15.27	32.725	24.164	374.4	0.113	
69	10.78	32.916						276.2	50	12.27	32.797	24.851	310.9	0.172	
83	9.93	32.965						258.7	75	10.39	32.935	25.298	268.3	0.255	
98	9.56	33.085						244.0	100	9.50	33.093	25.569	242.5	0.319	
126	8.85	33.249						221.1	125	8.87	33.242	25.785	222.0	0.378	
150	8.88	33.633						193.1	150	8.38	33.633	26.089	193.1	0.430	
174	8.30	33.839						176.8	200	6.55	33.957	26.394	164.2	0.521	
209	8.43	33.979						160.8	250	7.72	34.009	26.559	148.5	0.601	
270	7.35	34.001						144.1	300	6.96	34.006	26.664	135.4	0.675	
365	6.52	34.028						128.8	400	6.06	34.067	26.830	122.8	0.811	
461	5.70	34.139						115.1	500	5.48	34.163	26.978	105.8	0.932	
589	5.03	34.205						100.6	600	4.98	34.212	27.076	99.5	1.043	
736	4.41	34.309						86.2	700	4.55	34.263	27.180	89.6	1.144	
880	3.98	34.403						74.8	800	4.21	34.354	27.273	80.8	1.256	
1082	3.35	34.479						63.2	1000	3.61	34.456	27.415	67.3	1.400	

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

47080

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	DOMINANT WAVES		
													4245 M	360	20 KT
1	15.70	32.761						380.8	0	15.70	32.761	24.117	380.8	0.000	
11	15.70	32.753						51.4	10	15.70	32.755	24.111	381.3	0.038	
31	15.42	32.948						361.2	20	15.57	32.788	24.165	378.2	0.076	
55	11.69	32.929						280.8	30	15.43	32.929	24.304	363.0	0.113	
70	10.46	33.014						267.6	50	12.53	32.926	24.901	306.1	0.180	
85	9.76	33.138						243.2	75	10.18	33.049	25.423	256.5	0.251	
99	9.45	33.329						224.3	100	9.43	33.341	25.773	223.1	0.311	
129	8.92	33.616						195.0	125	8.99	33.556	26.036	198.2	0.364	
153	8.48	33.768						177.2	150	8.55	33.751	26.236	179.2	0.412	
179	8.16	33.920						161.3	200	7.90	33.954	26.440	155.1	0.497	
214	7.73	33.957						152.5	250	7.47	33.997	26.591	145.5	0.574	
278	7.22	34.023						140.7	300	6.96	34.030	26.682	136.8	0.647	
377	6.09	34.054						124.1	400	5.93	34.076	26.554	120.5	0.780	
475	5.52	34.156						109.7	500	5.39	34.179	27.001	106.6	0.900	
609	4.89	34.266						94.5	600	4.93	34.260	27.119	95.4	1.007	
761	4.36	34.360A						74.0	700	4.56	34.326	27.213	86.4	1.105	
907	3.94	34.426A						72.7	800	4.24	34.380	27.290	79.2	1.195	
1113	3.55	34.465						62.7	1000	3.67	34.457	27.410	67.5	1.358	

A) THE SALINITY SAMPLES AT 761 AND 907 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

50050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
39 40.0 N	124 7.5 W	07/27/72	0410 GMT		925 M	350	24 KT	1	330 09 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	12.44	32.977	6.33	0.49	2.	0.13	1.8	300.6	0	12.44	32.977	6.33	24.958	300.6	0.000
10	12.34	32.978	6.19	0.49	3.	0.13	2.0	298.8	10	12.34	32.978	6.19	24.978	298.8	0.030
30	9.70	32.972	5.93	0.75	7.	0.11	6.1	254.6	20	11.09	32.957	6.06	25.191	278.5	0.059
54	9.27	33.144	5.49	1.05	12.	0.15	12.4	235.2	30	9.70	32.972	5.93	25.442	254.6	0.086
69	9.40	33.364	5.23	1.30	17.	0.33	14.6	220.9	50	9.34	33.131	5.57	25.624	237.3	0.135
83	8.96	33.433	4.31	1.46	22.	0.28	17.9	209.1	75	9.23	33.393	4.84	25.846	216.2	0.192
98	8.84	33.676	3.92	1.71	26.	0.17	22.7	189.3	100	8.83	33.700	3.89	26.149	187.4	0.243
127	8.73	33.911	3.44	1.96	33.	0.01	26.6	170.3	125	8.74	33.903	5.47	26.322	171.0	0.288
152	8.51	33.980	2.75	2.05	37.	0.02	27.8	161.9	150	8.53	33.977	2.80	26.413	162.4	0.330
178	8.32	34.031	2.31U	2.12	41.	0.01	30.0	155.4	200	8.14	34.050	2.47	26.529	151.3	0.410
212	8.03	34.056	2.40	2.28	45.	0.02	31.2	149.4	250	7.64	34.076	2.05	26.622	142.5	0.486
276	7.38	34.087	1.81	2.50	55.	0.00	34.0	138.1	300	7.22	34.099	1.66	26.700	135.1	0.557
375	6.80	34.134	1.28	2.76	64.	0.00	36.6	126.9	400	6.61	34.143	1.16	26.818	123.9	0.692
474	6.09	34.174	0.85	77.	0.00	40.4	115.1	500	5.98	34.194	0.76	26.940	112.3	0.816	
607	5.56	34.270	0.49	3.14	92.	0.00	43.2	101.7	600	5.59	34.265	0.50	27.046	102.3	0.931
759	4.58	34.306	0.35	3.22	113.	0.00	45.4	88.2	700	4.91	34.295	0.38	27.149	92.6	1.036
788	4.53	34.315	0.33	3.27	117.	0.00	45.4	87.0	800	4.51	34.317	\$3200	27.211	86.6	1.133

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

50060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
39 19.5 N	124 51.5 W	07/26/72	1938 GMT		2887 M	360	15 KT	1	360 09 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.24	32.75							24.210	371.9					
10	15.24	32.76							24.217	371.2					
20	15.23	32.77							24.227	370.3					
30	15.22	32.77							24.229	370.1					
50	14.25	32.75							24.421	351.8					
75	11.62	32.88							25.037	293.1					
100	10.06	32.96							25.373	261.2					
125	9.37	33.13							25.619	237.8					
150	8.98	33.46							25.938	207.4					
200	8.47	33.90							26.361	167.3					
250	7.75	33.97							26.524	151.8					
300	7.11	34.02							26.654	139.5					
400	6.56	34.16							26.839	122.0					
500	5.85	34.20							26.962	110.3					
600	5.03	34.20							27.060	100.9					
700	4.63	34.26							27.153	92.2					
800	4.16	34.30							27.235	84.4					
1000	3.77	34.40							27.355	73.0					

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

50060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
39 19.5 N	124 51.5 W	07/26/72	2104 GMT		2887 M	360	15 KT	1	360 09 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	15.26	32.742	6.46	0.39	2.	0.01	0.0	372.9	0	15.26	32.742	6.46	24.199	372.9	0.000
11	15.25	32.735	5.94	0.35	2.	0.00	0.0	373.3	10	15.25	32.736	5.98	24.196	373.2	0.037
31	15.19	32.739	5.93	0.35	2.	0.01	0.1	371.7	20	15.22	32.737	5.94	24.203	372.6	0.075
56	13.07	32.771	6.38	0.38	2.	0.00	0.0	327.5	30	15.19	32.740	5.93	24.211	371.0	0.112
71	11.75	32.873	6.46	0.45	3.	0.06	0.6	295.9	50	13.69	32.752	6.27	24.538	340.7	0.183
86	10.86	32.899	6.21	0.59	5.	0.38	3.4	276.7	75	11.50	32.883	6.40	25.061	290.8	0.263
101	9.85	32.957	6.14	0.71	5.	0.08	5.1	258.1	100	9.91	32.952	6.15	25.391	259.4	0.332
131	9.48	33.292	5.39	1.16	14.	0.01	13.0	227.5	125	9.55	33.231	5.58	25.667	233.2	0.394
156	8.88	33.551	4.59	1.48	22.	0.01	18.6	199.2	150	9.01	33.492	4.79	25.957	205.6	0.450
181	8.76	33.766	3.77	1.78	29.	0.01	23.5	161.5	200	8.59	33.875	3.31	26.323	170.9	0.545
216	8.41	33.942	3.02	2.03	36.	0.00	27.6	163.3	250	7.93	34.009	2.90	26.529	151.4	0.628
282	7.47	2.78	2.24	46.	0.00	30.6		300	7.31	34.079	2.54	26.671	137.8	0.702	
382	6.76	34.143	1.40	2.73	64.	0.01	36.4	125.8	400	6.62	34.151	1.31	26.824	123.3	0.838
482	5.95	34.166	1.13	2.97	77.	0.01	39.9	114.0	500	5.79	34.169	1.07	26.945	111.9	0.962
616	4.89	34.203	0.70	3.17	99.	0.01	43.0	99.2	600	5.00	34.197	0.75	27.061	100.0	1.075
769	4.36	34.303	0.42	3.24	117.	0.00	45.3	86.2	700	4.54	34.257	0.52	27.160	91.5	1.178
916	4.02	34.372	0.36	3.30	127.	0.00	45.9	77.6	800	4.28	34.319	0.41	27.237	84.2	1.273
1122	3.52	34.471	0.54	3.27	141.	0.00	45.9	65.3	1000	3.82	34.412	0.40	27.359	72.6	1.446

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

50070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
38 59.0 N	125 37.5 W	07/26/72	1229 GMT		3824 M	010	14 KT	2	010 06 06						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.66	33.26							24.727	322.7					
10	14.66	33.26							24.727	322.7					
20	13.98	33.40							24.977	298.8					
30	13.10	33.44							25.187	278.9					
50	10.95	33.60							25.716	228.5					
75	9.00	33.68							26.107	191.4					
100	8.40	33.73							26.239	178.8					
125	8.														

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

50080

Z	T	S	02	PO4	ST03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	DOMINANT WAVES		
																350	03	03
1	16.28	32.958	5.80	0.33	D.	0.01	0.0	378.8	0	16.26	32.958	5.80	24.137	378.8	0.000			
11	16.28	32.958	5.83	0.34	D.	0.01	0.0	378.8	10	16.26	32.958	5.83	24.137	375.8	0.038			
31	16.05	32.955	5.81	0.36	D.	0.01	0.0	374.1	20	16.14	32.957	5.82	24.160	376.7	0.076			
56	12.83	32.925	6.48	0.35	3.	0.01	0.0	311.6	30	16.06	32.956	5.81	24.185	374.3	0.113			
71	10.90	33.015	6.32	0.64	6.	0.19	3.5	270.9	50	13.75	32.917	6.34	24.652	329.8	0.184			
86	9.94	33.123	5.79	0.97	10.	0.34	6.9	247.2	75	10.58	33.040	6.21	25.346	265.7	0.259			
101	9.36	33.319	5.06	1.29	16.	0.04	15.1	223.6	100	9.39	33.306	5.11	25.753	225.1	0.320			
131	8.85	33.573	4.15	1.66	23.	0.02	20.7	197.1	125	9.92	33.529	4.30	26.002	201.4	0.374			
156	8.42	33.607	3.47	1.88	32.	0.01	25.5	173.4	150	8.52	33.756	3.61	26.241	178.7	0.422			
182	8.04	33.923	3.18	2.01	37.	0.01	26.8	159.4	200	7.77	33.949	3.54	26.506	153.7	0.507			
217	7.52	33.954	3.90	2.01	39.	0.01	25.1	149.9	250	7.16	33.964	3.35	26.603	144.3	0.583			
283	6.77	33.983	2.41	5.33	0.00	33.0	137.8	300	6.50	34.010	2.15	26.729	132.4	0.654				
782	5.99	34.075	1.32	2.88	71.	0.00	38.4	121.3	400	5.90	34.093	1.72	26.871	118.9	0.784			
452	5.49	34.167	0.92	3.11	82.	0.00	40.9	108.6	500	5.39	34.176	0.85	26.994	106.7	0.903			
616	4.78	34.226	0.47	3.21	102.	0.04	43.1	96.5	600	4.86	34.220	0.51	27.096	97.6	1.011			
769	4.34	34.336	0.32	3.34	116.	0.00	45.9	83.5	700	4.51	34.286	0.35	27.187	89.0	1.111			
915	3.96	34.406	0.34	3.34	129.	0.00	46.2	74.4	800	4.26	34.353	0.32	27.267	81.3	1.204			
1120	3.48	34.475	0.55	3.20	139.	0.00	45.9	64.7	1000	3.75	34.439	0.40	27.387	70.0	1.371			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

50080

Z	T	S	02	PO4	ST03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	DOMINANT WAVES		
																350	03	03
									0	16.24	32.98	24.163	376.4	0.000				
									10	16.24	32.98	24.163	376.4	0.038				
									20	16.09	32.98	24.197	373.1	0.075				
									30	16.06	32.97	24.196	373.2	0.113				
									50	12.90	32.96	24.856	310.4	0.181				
									75	10.13	33.25	25.587	240.8	0.250				
									100	9.20	33.47	25.911	210.0	0.307				
									125	8.71	33.67	26.145	187.8	0.357				
									150	8.37	33.87	26.353	168.0	0.402				
									200	7.70	33.95	26.515	152.6	0.446				
									250	7.09	33.97	26.618	142.9	0.560				
									300	6.40	34.00	26.734	131.9	0.631				
									400	5.89	34.07	26.854	120.5	0.761				
									500	5.26	34.13	26.978	108.7	0.881				
									600	4.77	34.20	27.090	98.1	0.991				
									700	4.44	34.26	27.190	88.7	1.091				
									800	4.27	34.36	27.271	81.0	1.183				
									1000	3.74	34.44	27.390	69.7	1.350				

RV ALEXANDER AGASSIZ

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50090

Z	T	S	02	PO4	ST03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	DOMINANT WAVES		
																350	02	03
									0	15.84	32.81	24.123	380.2	0.000				
									10	15.75	32.87	24.199	375.9	0.036				
									20	15.70	32.87	24.201	372.6	0.075				
									30	15.40	32.82	24.228	370.2	0.112				
									50	11.80	32.87	24.996	297.0	0.179				
									75	10.70	33.10	25.372	261.2	0.249				
									100	9.47	33.32	25.751	225.3	0.311				
									125	8.93	33.54	26.099	200.7	0.364				
									200	7.85	33.97	26.251	177.8	0.412				
									250	7.27	33.98	26.600	144.6	0.573				
									300	6.56	33.99	26.705	134.6	0.645				
									400	5.66	34.08	26.891	117.0	0.775				
									500	5.20	34.15	27.001	106.6	0.892				
									600	4.67	34.20	27.101	97.1	1.000				
									700	4.44	34.29	27.197	88.0	1.099				
									800	4.10	34.34	27.273	80.8	1.191				
									1000	3.56	34.43	27.400	68.8	1.355				

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Z	T	S	02	PO4	ST03	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	DOMINANT WAVES		
																340	11	KT
									0	13.48	33.30	25.002	296.4	0.000				
									10	12.80	33.28	25.122	285.0	0.029				
									20	11.00	33.30	25.475	251.5	0.056				
									30	10.46	33.45	25.709	229.2	0.080				

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

53060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 46.0 N	124 27.0 W	07/24/72	2302 GMT		3471 M	340	11 KT	1	300 04 04
0	13.77	33.257	6.50	0.42	1.	0.06	1.5	305.2	
10	13.64	33.282	6.54	0.45	1.	0.05	1.9	300.8	10
30	10.68	33.488	5.79	1.14	10.	0.31	11.8	232.3	20
56	9.50	33.644	4.37	1.62	21.	0.30	19.2	201.7	30
71	9.32	33.758	4.09	1.79	25.	0.02	22.9	190.5	50
86	9.16	33.796	3.75	1.87	28.	0.03	24.3	185.2	75
101	8.81	33.896	2.89	2.14	36.	0.01	27.8	172.6	100
131	8.48	33.973	2.20	2.33	43.	0.01	31.6	162.0	125
158	8.26	34.008	2.27	2.29	42.	0.01	31.1	156.2	150
183	8.07	34.028	2.14	2.32	44.	0.01	31.6	152.0	200
218	7.77	34.051	2.07	2.41	48.	0.04	32.8	146.1	250
283	7.23	34.074	1.84	2.55	54.	0.00	34.5	137.1	300
383	6.66	34.131	1.29	2.81	66.	0.00	38.3	125.1	400
482	6.09	34.205	0.82	3.07	77.	0.00	43.7	112.8	500
615	5.41	34.302	0.43	3.24	93.	0.00	45.6	97.6	600
766	4.79	34.365	0.55	3.30	107.	0.00	44.5	86.0	700
913	4.25	34.417	0.42	3.35	121.	0.05	45.9	76.5	800
1119	3.70	34.475	0.71	3.32	132.	0.01	45.9	66.7	1000

RV ALEXANDER AGASSIZ

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53070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 26.0 N	125 10.5 W	07/25/72	0446 GMT		3730 M	350	23 KT	2	340 04 04
0	13.97	33.05							
10	13.55	33.05							
20	13.05	33.07							
30	11.55	33.06							
50	10.40	33.45							
75	8.95	33.64							
100	8.62	33.75							
125	8.29	33.87							
150	8.05	33.92							
200	7.72	34.00							
250	7.24	34.04							
300	6.63	34.06							
400	5.90	34.12							
500	5.32	34.17							
600	5.11	34.27							
700	4.89	34.33							
800	4.45	34.38							
1000	3.82	34.46							

RV ALEXANDER AGASSIZ

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53080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
38 6.0 N	125 55.0 W	07/25/72	1046 GMT		4222 M	340	12 KT	2	340 04 03
0	15.95	32.90							
10	15.95	32.90							
20	16.00	32.91							
30	15.30	32.89							
50	11.60	32.91							
75	9.95	33.01							
100	9.35	33.28							
125	8.88	33.58							
150	8.58	33.77							
200	7.92	33.96							
250	7.10	33.98							
300	6.68	34.01							
400	6.22	34.13							
500	5.56	34.21							
600	5.02	34.26							
700	4.51	34.29							
800	4.23	34.35							
1000	3.72	34.44							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

53090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
37 46.0 N	126 39.5 W	07/25/72	1608 GMT		4474 M	340	13 KT	2	350 04 04
0	15.60	32.78							
10	15.61	32.78							
20	15.58	32.78							
30	15.15	32.76							
50	12.40	32.71							
75	10.95	32.84							
100	10.02	33.08							
125	9.63	33.29							
150	9.40	33.52							
200	9.00	33.86							
250	8.17	33.94							
300	7.41	33.95							
400	6.23	34.02							
500	5.67	34.12							
600	5.16	34.18							
700	4.82	34.28							
800	4.37	34.38							
1000	3.95	34.44							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

53090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.68	32.751	5.88	0.40	3.	0.01	0.0	321.1	0	15.68	32.751	5.88	24.114	381.1	0.000
10	15.66	32.750	5.93	0.34	4.	0.00	0.0	310.7	10	15.66	32.750	5.93	24.118	380.7	0.038
30	15.05	32.742	6.09	0.31	4.	0.01	0.0	368.6	20	15.50	32.749	5.99	24.151	377.5	0.076
56	11.91	32.750	6.60	0.39	4.	0.02	0.0	317.6	30	15.05	32.742	6.09	24.245	368.6	0.113
71	11.23	32.796	6.33	0.50	5.	0.28	1.0	292.6	50	12.64	32.736	6.52	24.732	322.2	0.193
86	10.42	32.885	6.15	0.74	8.	0.04	6.1	272.5	75	11.00	32.814	6.29	25.096	287.5	0.259
101	9.94	33.062	5.79	0.96	12.	0.03	9.5	251.7	100	9.96	33.050	5.82	25.459	253.0	0.327
131	9.61	33.336	5.26	1.32	18.	0.02	15.8	226.2	125	9.64	33.286	5.37	25.696	230.4	0.588
156	9.39	33.562	4.46	1.60	23.	0.02	20.3	216.1	150	9.44	33.510	4.67	25.904	210.7	0.444
182	9.20	33.754	3.52	1.84	29.	0.02	24.0	188.9	200	8.94	33.828	3.27	26.232	179.5	0.543
217	8.65	33.873	3.17	1.97	34.	0.02	26.2	171.9	250	8.16	33.931	3.00	26.432	160.5	0.630
282	7.70	2.85	2.11	44.	0.01	29.8		300	7.44	33.970	2.68	26.568	147.6	0.710	
392	6.46	34.046	1.85	2.63	64.	0.01	364.4	129.2	400	6.32	34.061	1.69	26.792	126.4	0.352
482	5.85	34.117	1.10	2.94	78.	0.01	40.9	116.5	500	5.76	34.126	1.03	26.915	114.7	0.978
615	5.21	34.184	0.76	3.10	91.	0.04	42.7	104.1	600	5.28	34.176	0.78	27.013	105.5	1.095
767	4.58	34.316	0.40	3.29	114.	0.01	45.4	87.4	700	4.85	34.257	0.53	27.126	94.7	1.202
914	4.04	34.401	0.39	3.31	127.	0.00	46.9	75.6	800	4.44	34.338	0.40	27.236	84.3	1.299
1121	3.50	34.468	0.57	3.29	140.	0.01	65.4	65.4	1000	3.90	34.437	0.46	27.371	71.5	1.472

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57060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.10	33.115							24.547	339.8					
10	14.85	33.115							24.601	334.6					
20	14.45	33.26							24.771	318.5					
30	13.05	33.28							25.073	289.7					
50	10.70	33.40							25.605	239.1					
75	9.57	33.54							25.906	210.5					
100	9.03	33.72							26.133	188.9					
125	8.60	33.85							26.302	172.9					
150	8.27	33.89							26.384	165.1					
200	7.91	33.95							26.508	153.3					
250	7.45	34.01							26.598	144.8					
300	7.22	34.09							26.694	135.7					
400	6.55	34.14							26.824	123.3					
500	5.87	34.18							26.944	112.0					
600	5.26	34.24							27.065	100.5					
700	4.73	34.29							27.166	91.0					
800	4.27	34.33							27.248	83.2					
1000	3.86	34.43							27.370	71.6					

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

57060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	15.08	33.116	6.06	0.42	2.	0.04	0.1	341.8	0	15.08	33.116	6.06	24.526	341.8	0.000
11	15.04	33.133	6.66	0.45	2.	0.05	0.2	319.8	10	15.04	33.132	6.63	24.545	340.0	0.034
31	14.26	33.281	6.19	0.61	3.	0.10	3.2	313.1	20	14.66	33.198	6.45	24.635	331.5	0.368
56	10.60	33.363	5.88	1.12	10.	0.50	10.2	236.7	30	14.33	33.274	6.21	24.806	315.2	0.100
71	9.91	33.465	5.40	1.38	15.	1.14	14.5	221.4	50	11.47	33.349	5.97	25.427	256.0	0.157
86	9.40	33.565	4.79	1.58	21.	0.03	19.1	216.0	75	9.76	33.489	5.25	25.834	217.3	0.217
101	9.04	33.723	3.96	1.88	29.	0.02	22.5	188.8	100	9.06	33.713	4.01	26.123	189.9	0.268
131	8.56	33.855	3.44	2.01	34.	0.02	26.5	171.9	125	8.64	33.842	3.48	26.290	174.1	0.314
156	8.28	33.914	3.08	2.02	35.	0.04	27.1	163.5	150	8.35	33.902	3.16	26.384	165.1	0.357
152	8.17	33.974	2.84	2.11	38.	0.05	27.9	157.4	200	7.98	33.987	2.69	26.505	153.6	0.438
216	7.76	33.991	2.55	2.23	43.	0.08	30.4	150.4	250	7.50	34.026	2.20	26.603	144.3	0.515
280	7.31	34.057	1.90	2.50	52.	0.02	33.5	159.4	300	7.12	34.067	1.75	26.689	136.1	0.587
379	6.42	34.101	1.28	2.79	67.	0.04	37.4	124.6	400	6.32	34.119	1.15	26.837	122.1	0.721
477	6.03	34.183	0.73	3.08	78.	0.04	40.4	113.7	500	5.90	34.196	0.67	26.952	111.3	0.844
609	5.27	34.246	0.50	3.22	93.	0.03	42.7	100.2	600	5.32	34.243	0.51	27.059	101.0	0.957
758	4.60	34.328	0.31	3.32	110.	0.00	44.5	86.8	700	4.84	34.297	0.37	27.159	91.6	1.061
904	4.12	34.388	0.32	3.33	124.	0.00	45.9	77.3	800	4.45	34.347	0.31	27.242	83.8	1.156
1111	3.56	34.453	0.48	3.33	136.	0.00	46.0	67.1	1000	3.84	34.422	0.17	27.365	72.1	1.328

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

57070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.34	33.16							24.502	344.0					
10	15.30	33.16							24.511	343.2					
20	14.10	33.18							24.783	317.3					
30	11.20	33.20							25.361	262.3					
50	9.89	33.29							25.658	234.1					
75	8.86	33.66							26.113	190.6					
100	9.02	33.92							26.291	173.9					
125	8.37	33.94							26.408	162.8					
150	8.14	34.00							26.490	155.1					
200	7.58	34.04							26.603	144.3					
250	7.08	34.07							26.697	135.4					
300	6.55	34.13							26.816	124.1					
400	6.04	34.23							26.961	110.3					
500	5.17	34.18							27.028	104.0					
600	4.82	34.28													

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 57080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 32.0 N	125 29.5 W	07/23/72	1831 GMT	4270 M	350	10 KT	2	330 04 04							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.20	33.24		24.594	335.3	0.000
									10	15.10	33.25		24.624	332.5	0.033
									20	14.44	33.24		24.758	319.7	0.066
									30	12.55	33.24		25.140	283.3	0.096
									50	10.00	33.48		25.788	221.8	0.147
									75	9.27	33.67		26.056	196.3	0.200
									100	8.73	33.83		26.266	176.3	0.246
									125	8.33	33.87		26.359	167.4	0.290
									150	8.05	33.97		26.479	156.0	0.331
									200	7.62	34.02		26.582	146.3	0.408
									250	7.03	34.05		26.689	136.2	0.480
									300	6.63	34.09		26.774	128.1	0.549
									400	5.95	34.15		26.910	115.2	0.675
									500	5.37	34.18		27.005	106.2	0.791
									600	4.99	34.28		27.128	94.5	0.898
									700	4.63	34.33		27.208	86.9	0.996
									800	4.26	34.35		27.264	81.6	1.087
									1000	3.75	34.42		27.375	71.1	1.256

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 57090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 10.5 N	126 13.0 W	07/23/72	1241 GMT	4458 M	330	11 KT	2	330 03 04							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	14.72	32.72		24.299	363.5	0.000
									10	14.35	32.72		24.377	356.0	0.036
									20	13.75	32.73		24.508	343.5	0.071
									30	13.40	32.77		24.610	333.8	0.105
									50	11.05	32.76		25.047	292.2	0.168
									75	10.15	32.92		25.327	265.6	0.238
									100	9.55	33.20		25.644	235.4	0.301
									125	8.98	33.51		25.977	203.7	0.356
									150	8.81	33.73		26.176	184.9	0.403
									200	8.40	34.00		26.450	158.8	0.493
									250	7.55	34.01		26.584	146.1	0.571
									300	6.85	34.02		26.690	136.1	0.644
									400	5.77	34.10		26.893	116.8	0.775
									500	5.25	34.20		27.035	103.4	0.891
									600	4.87	34.27		27.134	94.0	0.995
									700	4.64	34.34		27.215	86.3	1.092
									800	4.35	34.36		27.263	81.7	1.184
									1000	3.75	34.45		27.396	69.1	1.351

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 60052

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 53.0 N	123 3.5 W	07/20/72	1930 GMT	86 M	190	05 KT	2	280 02 08							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	13.41	33.484	8.48	0.23	1.	0.06	0.1	281.6	0	13.41	33.484	8.48	25.158	281.6	0.000
11	11.79	33.475	6.29	0.89	8.	0.27	8.7	252.3	10	11.97	33.470	6.43	25.441	254.8	0.027
21	11.21	33.589	5.87	1.17	12.	0.36	12.0	233.8	20	11.25	33.576	5.88	25.643	235.5	0.051
31	10.39	33.596	5.05	1.58	20.	0.45	17.0	212.1	30	10.47	33.686	5.13	25.868	214.1	0.074
51	9.56	33.818	4.24	2.02	28.	0.42	21.5	196.1	50	9.96	33.815	4.27	26.054	196.4	0.115
77	9.38	33.870	2.76	2.38	40.	0.44	24.3	193.1	75	9.43	33.868	2.89	26.184	184.1	0.165

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 60060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
37 36.0 N	123 37.0 W	07/22/72	0158 GMT	3068 M	230	05 KT	?	210 02 06							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	15.17	33.14		24.524	342.0	0.000
									10	14.20	33.14		24.731	322.2	0.033
									20	13.96	33.25		24.866	309.4	0.065
									30	13.46	33.25		24.968	299.7	0.095
									50	11.35	33.11		25.264	271.5	0.153
									75	9.55	33.54		25.909	210.2	0.213
									100	9.05	33.60		26.037	198.1	0.265
									125	9.00	33.85		26.240	175.8	0.312
									150	8.84	33.91		26.312	172.0	0.357
									200	8.06	34.01		26.509	153.2	0.440
									250	7.60	34.06		26.616	143.1	0.516
									300	7.16	34.09		26.702	134.9	0.587
									400	6.56	34.16		26.839	122.0	0.721
									500	5.88	34.20		26.958	110.7	0.843
									600	5.49	34.26		27.053	101.6	0.956
									700	5.01	34.32		27.157	91.8	1.061
									800	4.67	34.37		27.236	84.3	1.157
									1000	3.88	34.43		27.368	71.8	1.330

BY ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

60060

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES			
		37	36.0 N	123	37.0 W	07	/22/72	0301	GMT	5068	M	230	05	KT	Z	2	210	02	06		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD						
0	15.52	33.238	6.08	0.49	3.	0.09	1.6	342.1	0	15.52	33.238	6.08	24.523	342.1	0.000						
10	14.53	33.318	6.21	0.48	3.	0.08	1.1	315.8	10	14.53	33.318	6.21	24.799	315.8	0.033						
30	13.80	33.308	6.17	0.53	4.	0.11	2.6	302.1	20	14.14	33.328	6.19	24.887	307.4	0.064						
55	11.19	33.427	5.76	1.05	10.	0.41	9.2	245.4	30	13.80	33.308	6.17	24.943	302.1	0.095						
70	10.20	33.476	5.17	1.31	15.	0.37	14.1	225.3	50	11.74	33.340	5.89	25.371	261.4	0.151						
84	9.69	33.524	4.78	1.45	16.	0.26	17.0	213.6	75	9.99	33.493	5.01	25.799	220.7	0.212						
99	9.22	33.595	4.49	1.62	23.	0.02	20.1	201.0	100	9.20	33.604	4.45	26.015	200.2	0.265						
129	8.94	33.849	3.17	1.91	30.	0.01	25.0	178.0	125	8.96	33.816	3.35	26.220	180.7	0.313						
154	8.59	33.932	2.86	2.03	34.	0.01	26.5	166.6	150	8.65	33.924	2.88	26.353	188.1	0.357						
178	8.36	33.987	2.62	2.13	37.	0.01	28.3	159.2	200	8.09	34.016	2.44	26.508	153.3	0.439						
213	7.94	34.028	2.35	2.25	42.	0.01	30.4	150.2	250	7.66	34.070	2.10	26.615	143.2	0.515						
276	7.48	34.192	1.92	2.48	52.	0.01	33.4	300	728	34.100	1.75	26.693	135.8	0.587							
376	6.61	34.128	1.22	2.78	66.	0.01	36.7	125.0	400	6.45	34.140	1.10	26.837	122.2	0.721						
474	6.05	34.180	0.80	3.01	77.	0.01	39.2	114.2	500	5.92	34.197	0.71	26.951	111.3	0.844						
606	5.41	34.266	0.43	3.18	93.	0.01	42.0	100.3	600	5.44	34.262	0.44	27.061	100.9	0.957						
758	4.78	34.360	0.30	3.31	106.	0.00	43.5	86.3	700	5.01	34.328	0.35	27.164	91.1	1.061						
904	4.30	34.399	0.40	3.28	118.	0.04	45.3	75.2	800	4.66	34.373	0.31	27.242	63.7	1.156						
1024	3.61	34.470	0.64	3.27	124.	0.01	45.9	66.2	1000	3.98	34.430	0.50	27.357	72.8	1.330						

REV. ALEXANDER AGASSIZ

CALCOFT CRUISE 7207

60070

BY ALEXANDER AGASSIZ

CALCOFT CRUISE 7207

60070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSNGER	TIME	HOTTON	WIND	SPEED	WEATHEN	DOMINANT WAVES						
37 17.0 N	124 20.0 W	07/22/72	1455 GMT		5990 M	360	04 KT	2							
Z	T	S	02	P04	SIDE	N02	N03	DT	Z	T	S	02	STGT	01	DD
									.0	15.03	35.02		24.463	347.8	0.00
									10	15.05	35.02		24.458	348.3	0.03
									20	15.00	35.0%		24.515	342.8	0.06
									30	11.70	35.10		25.193	278.3	0.10
									50	9.80	35.06		25.494	249.6	0.15
									75	9.70	35.30		25.698	230.3	0.21
									100	8.76	35.49		25.996	201.9	0.26
									125	8.42	35.75		26.275	175.4	0.31
									150	8.24	35.92		26.412	162.4	0.35
									200	7.64	34.01		26.571	147.4	0.43
									250	7.03	34.03		26.673	137.7	0.51
									300	6.43	34.06		26.777	127.8	0.57
									400	5.98	34.12		26.882	117.6	0.70
									500	5.25	34.18		27.019	104.9	0.82
									600	4.86	34.27		27.133	94.1	0.92
									700	4.50	34.32		27.215	86.3	1.02
									800	4.31	34.39		27.291	79.1	1.11
									1000	3.75	34.46		27.405	68.3	1.28

AS CAST I.

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

60080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
36 58.0 N	125 4.0 W	07/22/72	2046 GMT		3447 M	350	09 KT	2	320 03 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.39	33.311	6.01	0.48	3.	0.05	2.8	334.1	0	15.39	33.311	6.01	24.607	334.1	0.000
10	14.89	33.310	6.27	0.55	3.	0.07	3.1	323.7	10	14.89	33.310	6.27	24.715	323.7	0.033
30	14.29	33.384	6.08	0.53	4.	0.08	3.2	306.2	20	14.69	33.348	6.17	24.787	316.9	0.065
55	10.56	33.429	5.78	1.06	11.	0.33	11.2	234.6	30	14.29	33.384	6.08	24.900	306.2	0.096
70	9.45	33.499	5.04	1.41	19.	1.08	16.7	211.7	50	11.34	33.406	5.84	25.496	249.5	0.152
86	9.24	33.671	4.16	1.67	24.	0.04	21.2	195.7	75	9.34	33.553	4.75	25.953	206.1	0.209
101	8.85	33.754	3.71	1.85	30.	0.01	24.5	183.7	100	8.88	33.750	3.73	26.181	184.4	0.258
131	8.57	33.897	3.10	2.02	35.	0.01	27.4	168.9	125	8.61	33.874	3.16	26.319	171.2	0.303
156	8.13	33.937	3.40	1.99	36.	0.01	26.8	159.6	150	8.24	33.931	3.33	26.420	161.7	0.346
182	7.82	33.987	2.83	2.05	41.	0.01	28.9	151.5	200	7.65	34.007	2.53	26.567	147.7	0.424
217	7.50	34.019	2.30	2.33	48.	0.00	31.8	144.8	250	7.21	34.046	2.02	26.659	139.0	0.498
282	6.94	34.068	1.83	2.57	58.	0.00	34.9	133.7	300	6.78	34.081	1.67	26.746	130.8	0.567
382	6.06	34.126	1.04	2.94	73.	0.00	39.4	118.3	400	5.87	34.130	0.98	26.903	115.9	0.596
481	5.14	34.151	0.82	3.09	92.	0.00	42.8	105.8	500	5.06	34.165	0.76	27.029	103.9	0.811
615	4.78	34.262	0.46	3.23	102.	0.02	43.0	93.6	600	4.80	34.248	0.50	27.125	94.8	0.916
768	4.29	34.369	0.32	3.32	119.	0.02	46.2	80.5	700	4.50	34.324	0.38	27.218	86.0	1.013
916	3.95	34.449	0.48	3.39	129.	0.00	46.3	71.1	800	4.21	34.389	0.34	27.300	78.2	1.103
1121	3.36	34.495	0.69	3.25	143.	0.00	45.9	62.1	1000	3.72	34.477	0.57	27.420	66.8	1.264

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

60080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
36 58.0 N	125 4.0 W	07/22/72	2217 GMT		3447 M	350	09 KT	2	320 03 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.39	33.311	6.01	0.48	3.	0.05	2.8	334.1	0	15.39	33.311	6.01	24.607	334.1	0.000
10	14.89	33.310	6.27	0.55	3.	0.07	3.1	323.7	10	14.89	33.310	6.27	24.715	323.7	0.033
30	14.29	33.384	6.08	0.53	4.	0.08	3.2	306.2	20	14.69	33.348	6.17	24.787	316.9	0.065
55	10.56	33.429	5.78	1.06	11.	0.33	11.2	234.6	30	14.29	33.384	6.08	24.900	306.2	0.096
70	9.45	33.499	5.04	1.41	19.	1.08	16.7	211.7	50	11.34	33.406	5.84	25.496	249.5	0.152
86	9.24	33.671	4.16	1.67	24.	0.04	21.2	195.7	75	9.34	33.553	4.75	25.953	206.1	0.209
101	8.85	33.754	3.71	1.85	30.	0.01	24.5	183.7	100	8.88	33.750	3.73	26.181	184.4	0.258
131	8.57	33.897	3.10	2.02	35.	0.01	27.4	168.9	125	8.61	33.874	3.16	26.319	171.2	0.303
156	8.13	33.937	3.40	1.99	36.	0.01	26.8	159.6	150	8.24	33.931	3.33	26.420	161.7	0.346
182	7.82	33.987	2.83	2.05	41.	0.01	28.9	151.5	200	7.65	34.007	2.53	26.567	147.7	0.424
217	7.50	34.019	2.30	2.33	48.	0.00	31.8	144.8	250	7.21	34.046	2.02	26.659	139.0	0.498
282	6.94	34.068	1.83	2.57	58.	0.00	34.9	133.7	300	6.78	34.081	1.67	26.746	130.8	0.567
382	6.06	34.126	1.04	2.94	73.	0.00	39.4	118.3	400	5.87	34.130	0.98	26.903	115.9	0.596
481	5.14	34.151	0.82	3.09	92.	0.00	42.8	105.8	500	5.06	34.165	0.76	27.029	103.9	0.811
615	4.78	34.262	0.46	3.23	102.	0.02	43.0	93.6	600	4.80	34.248	0.50	27.125	94.8	0.916
768	4.29	34.369	0.32	3.32	119.	0.02	46.2	80.5	700	4.50	34.324	0.38	27.218	86.0	1.013
916	3.95	34.449	0.48	3.39	129.	0.00	46.3	71.1	800	4.21	34.389	0.34	27.300	78.2	1.103
1121	3.36	34.495	0.69	3.25	143.	0.00	45.9	62.1	1000	3.72	34.477	0.57	27.420	66.8	1.264

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

60090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
36 37.5 N	125 46.0 W	07/23/72	0802 GMT		4531 M	350	12 KT	2	320 04 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.95	33.22							0	14.95	33.22		24.634	331.6	0.000
10	14.87	33.22							10	14.87	33.22		24.651	329.9	0.073
20	14.35	33.45							20	14.35	33.45		24.938	302.6	0.065
30	13.92	33.42							30	13.92	33.42		25.005	296.2	0.095
50	11.95	33.62							50	11.95	33.62		25.548	244.5	0.149
75	9.90	33.58							75	9.90	33.58		25.882	212.8	0.207
100	9.16	33.75							100	9.16	33.75		26.136	188.7	0.257
125	8.60	33.88							125	8.60	33.88		26.326	170.6	0.303
150	8.18	33.97							150	8.18	33.97		26.460	157.9	0.344
200	7.57	34.02							200	7.57	34.02		26.589	145.6	0.422
250	7.21	34.09							250	7.21	34.09		26.695	135.6	0.494
300	6.81	34.07							300	6.81	34.07		26.761	129.3	0.562
400	6.16	34.18							400	6.16	34.18		26.907	115.5	0.689
500	5.58	34.24							500	5.58	34.24		27.027	104.1	0.805
600	4.88	34.27							600	4.88	34.27		27.133	94.1	0.910
700	4.42	34.31							700	4.42	34.31		27.216	86.2	1.007
800	4.22	34.37							800	4.22	34.37		27.285	79.7	1.097
1000	3.79	34.46							1000	3.79	34.46		27.401	68.7	1.262

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

63050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
37 23.5 N	122 28.0 W	07/20/72	1309 GMT		47 M	170	08 KT	2	200 02 06						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.48	33.527							0	14.48	33.527				
5	14.50	33.553							5						

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

63052

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
37 19.0 N	122 36.0 W	07/20/72	1137 GMT		84 M	220	04 KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.09	33.672	8.80	0.00	0.	0.01	0.0	281.1	.0	14.09	33.672	8.80	25.163	281.1	0.000
10	13.64	33.694	8.13	0.05	0.	0.02	0.0	270.6	10	13.64	33.694	8.13	25.274	270.6	0.028
20	12.15	33.693	6.90	0.36	3.	0.14	2.5	242.7	20	12.15	33.693	6.90	25.567	242.7	0.053
30	10.24	33.546	4.84	1.41	15.	0.17	16.1	220.7	30	10.24	33.546	4.84	25.798	220.7	0.077
40	9.90	33.592	4.55	1.51	19.	0.08	18.4	211.9	50	9.90	33.592	4.55	26.001	201.5	0.119
51	9.65	33.692	3.99	1.65	22.	0.11	20.1	200.5							
61	9.68	33.786	3.43	1.83	26.	0.15	23.0	194.0							

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

63060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
37 3.5 N	123 12.0 W	07/20/72	0547 GMT		2502 M	330	05 KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	15.31	33.372	6.17	0.40	3.	0.05	0.8	377.9	0	15.31	33.372	6.17	24.672	327.9	0.000
11	14.79	33.360	6.31	0.43	3.	0.06	1.0	318.1	10	14.79	33.360	6.30	24.759	319.6	0.032
31	12.10	33.472	6.09	0.83	8.	0.29	7.2	258.1	20	12.10	33.472	6.21	25.045	292.4	0.063
56	10.93	33.333	5.19	1.31	13.	0.43	13.2	277.4	30	12.24	33.463	6.10	25.371	261.3	0.091
71	10.04	33.604	4.59	1.52	19.	0.46	17.3	713.2	50	11.12	33.591	5.44	25.679	232.1	0.140
86	9.67	33.748	3.91	1.73	24.	0.31	20.8	109.8	75	9.97	33.640	4.37	25.917	209.4	0.196
101	9.52	33.807	3.40	1.86	29.	0.09	23.6	100.0	100	9.54	33.805	3.42	26.116	190.5	0.246
131	9.05	33.979	2.98	1.97	33.	0.03	25.5	177.5	125	9.12	33.864	3.05	26.230	179.7	0.293
156	8.82	33.994	2.47	2.14	37.	0.02	27.5	165.4	150	8.87	33.967	2.58	26.352	168.1	0.337
181	8.62	34.042	2.28	2.22	41.	0.01	28.5	158.0	200	8.53	34.051	2.10	26.494	154.7	0.420
217	8.45	34.111	1.95	2.37	44.	0.01	29.7	181.3	250	8.10	34.124	1.81	26.592	145.4	0.497
282	7.71	34.120	1.71	2.52	52.	0.01	32.2	140.1	300	7.53	34.127	1.61	26.678	137.2	0.570
382	6.80	34.165	1.11	2.81	66.	0.01	36.2	124.6	400	6.66	34.174	1.02	26.837	122.2	0.705
482	6.08	34.215	0.68	3.06	80.	0.00	39.6	111.9	500	5.96	34.224	0.65	26.965	110.0	0.827
617	5.40	34.279	0.39	3.24	94.	0.02	42.0	99.2	600	5.47	34.271	0.41	27.064	100.6	0.939
770	4.73	34.343	0.32	3.30	109.	0.00	44.1	77.0	700	5.01	34.313	0.35	27.152	92.3	1.043
918	4.33	34.417	0.38	3.29	120.	0.00	44.5	77.7	800	4.64	34.359	0.32	27.230	84.9	1.140
1124	3.67	34.468	0.56	3.25	138.	0.00	44.8	67.0	1000	4.06	34.444	0.44	27.358	72.7	1.315

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

63070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
36 43.0 N	123 54.5 W	07/19/72	2251 GMT		3918 M	350	05 KT	1	320 04 07						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.41	32.828			349.8	0	15.41	32.828	24.232	369.8	0.000				
10	14.99	32.834			340.6	10	14.99	32.834	24.328	360.6	0.037				
30	11.91	32.823			312.4	20	13.44	32.823	24.639	331.1	0.071				
55	11.50	33.254			273.5	30	11.91	32.823	24.939	302.4	0.103				
71	11.12	33.521			252.0	50	11.51	33.203	25.297	268.4	0.160				
86	10.56	33.314			243.1	75	10.98	33.319	25.493	249.8	0.225				
101	10.04	33.386			229.3	100	10.07	33.380	25.697	230.4	0.286				
131	9.15	33.658			195.3	125	9.32	33.605	25.997	201.6	0.340				
157	8.43	33.743			178.3	150	8.59	33.723	26.204	182.2	0.369				
181	8.27	33.788			165.2	200	8.01	33.941	26.463	157.6	0.475				
215	7.77	33.961			152.8	250	7.25	33.980	26.603	144.3	0.553				
281	6.85	33.986			138.6	300	6.72	34.013	26.702	134.9	0.625				
379	6.29	34.127			121.1	400	6.09	34.136	26.881	118.0	0.756				
476	5.40	34.161			107.8	500	5.28	34.182	27.017	105.1	0.873				
607	4.92	34.284			93.5	600	4.93	34.277	27.132	94.2	0.979				
753	4.54	34.384			81.9	700	4.68	34.352	27.220	85.8	1.076				
903	4.16	34.429			74.7	800	4.43	34.400	27.286	79.6	1.166				
1110	3.61	34.484			65.2	1000	3.90	34.456	27.386	70.1	1.333				

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

63080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
36 23.0 N	124 37.5 W	07/19/72	1720 GMT		4100 M	340	10 KT	2	330 03 06						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	15.59	32.716			344.8	0	15.58	32.716	24.107	381.8	0.000				
11	15.38	32.702			378.4	10	15.40	32.704	24.139	378.7	0.038				
31	12.25	32.796			310.5	20	14.07	32.720	24.434	350.6	0.075				
55	11.12	32.971			277.9	30	12.43	32.787	24.813	314.4	0.108				
70	10.98	33.214			257.5	50	11.19	32.926	25.150	282.4	0.168				
85	10.76	33.302			247.3	75	10.95	33.258	25.450	253.8	0.235				
100	9.84	33.304			232.2	100	9.84	33.304	25.677	232.2	0.296				
130	9.32	33.635			199.5	125	9.35	33.568	25.963	205.1	0.551				
155	8.85	33.874			174.2	150	8.95	33.837	26.237	179.1	0.400				
180	8.27	33.587			165.3	200	8.06	33.925	26.443	159.5	0.486				
215	7.95	33.957			155.6	250	7.54	34.003	26.580	146.5	0.565				
279	7.19	34.033			134.6	300	7.02	34.063	26.700	135.1	0.637				
379	6.41	34.147			121.0	400	6.16	34.145	26.879	118.1	0.769				
478	5.30	34.137			108.7	500	5.26	34.166	27.006	106.1	0.886				
613	5.04	34.285			93.9	600	5.07	34.282</							

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 63090

	LATITUDE 36 3.5 N	LONGITUDE 125 21.0 W	MO/DAY/YR 07/19/72	MESSENDER TIME 1116 GMT	BOTTOM 4460 M	WIND 350	SPEED 09 KT	WEATHER 2	DOMINANT WAVES					
Z	T	S	02	P04 S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	16.65	33.071			378.7	0	16.65	33.071	24.139	378.7	0.000			
11	16.43	33.088			372.6	10	16.45	33.087	24.197	373.2	0.038			
32	16.21	33.135			364.4	20	16.34	33.087	24.223	370.7	0.075			
57	14.08	33.228			313.4	30	16.23	33.123	24.275	365.7	0.112			
72	13.31	33.267			295.6	50	14.73	33.198	24.664	328.6	0.181			
87	12.67	33.294			281.6	75	13.17	33.275	25.045	292.4	0.259			
102	12.23	33.288			274.0	100	12.29	33.290	25.228	275.0	0.331			
133	10.26	33.327			237.3	125	10.77	33.303	25.517	247.5	0.397			
158	9.66	33.483			216.1	150	9.80	33.424	25.778	222.7	0.456			
183	9.18	33.726			190.7	200	8.89	33.849	26.256	177.3	0.558			
218	8.62	33.966			166.0	250	8.20	34.019	26.495	154.5	0.643			
283	7.79	34.033			147.7	300	7.54	34.041	26.609	143.7	0.720			
384	6.43	34.065			127.4	400	6.27	34.072	26.807	125.0	0.859			
484	5.67	34.125			113.8	500	5.62	34.144	26.946	111.8	0.984			
617	5.32	34.274			98.6	600	5.36	34.256	27.066	100.4	1.096			
770	4.26	34.315			84.2	700	4.74	34.300	27.172	90.3	1.199			
917	3.99	34.409			74.5	800	4.18	34.334	27.260	82.0	1.292			
1121	3.46	34.485			63.7	1000	3.80	34.447	27.390	69.7	1.460			

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 67050

	LATITUDE 36 49.0 N	LONGITUDE 122 4.5 W	MO/DAY/YR 07/18/72	MESSENDER TIME 0655 GMT	BOTTOM 97 M	WIND 280	SPEED 05 KT	WEATHER 2	DOMINANT WAVES						
Z	T	S	02	P04 S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	15.52	33.390	6.13	0.39	2.	0.05	0.2	331.0	0	15.52	33.390	6.13	24.639	331.0	0.000
11	14.77	33.415	6.73	0.45	3.	0.08	0.8	313.6	10	14.88	33.412	6.71	24.796	316.1	0.032
21	13.28	33.477	6.41	0.57	4.	0.16	0.8	279.6	20	13.42	33.470	6.45	25.145	282.9	0.062
31	12.78	33.519	6.50	0.62	5.	0.19	4.0	247.1	30	12.82	33.517	6.49	25.302	268.0	0.090
52	10.47	33.529	5.05	1.32	15.	0.15	14.7	225.8	50	10.69	33.526	5.23	25.704	229.7	0.140
77	9.81	33.698	3.87	1.64	21.	0.15	19.6	202.6	75	9.86	33.685	3.94	25.971	204.3	0.194

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 67060

	LATITUDE 36 28.5 N	LONGITUDE 122 48.0 W	MO/DAY/YR 07/18/72	MESSENDER TIME 1226 GMT	BOTTOM 3163 M	WIND 260	SPEED 08 KT	WEATHER	DOMINANT WAVES						
Z	T	S	02	P04 S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	15.56	33.442	6.04	0.39	1.	0.04	0.0	328.1	0	15.56	33.442	6.04	24.670	328.1	0.000
10	15.01	33.441	6.13	0.41	1.	0.04	0.0	316.6	10	15.01	33.441	6.13	24.790	316.6	0.032
30	14.47	33.458	6.20	0.40	2.	0.08	1.0	304.4	20	14.85	33.451	6.16	24.832	312.6	0.064
55	10.29	33.548	4.91	1.37	15.	0.21	16.0	221.4	30	14.47	33.458	6.20	24.919	304.4	0.095
70	9.56	33.710	3.95	1.72	24.	0.04	21.0	197.8	50	11.13	33.503	5.24	25.608	238.8	0.149
85	9.24	33.755	3.56	1.81	26.	0.03	22.7	189.5	75	9.43	33.730	3.78	26.077	194.3	0.204
100	8.92	33.834	3.28	1.90	29.	0.02	25.1	178.8	100	8.92	33.834	3.28	26.240	178.8	0.251
130	8.49	33.945	2.86	2.04	34.	0.02	27.1	166.2	125	8.55	33.931	2.92	26.373	166.1	0.294
155	8.21	33.988	2.55	2.19	36.	0.02	29.0	157.0	150	8.26	33.982	2.60	26.457	158.2	0.335
180	7.95	34.016	2.47	2.29	42.	0.02	29.9	151.2	200	7.76	34.028	2.31	26.567	147.7	0.413
216	7.62	34.034	2.17	2.38	46.	0.02	32.1	145.3	250	7.32	34.052	1.92	26.650	139.8	0.487
280	7.05	34.068	1.72	2.59	56.	0.02	34.7	135.1	300	6.85	34.077	1.58	26.734	131.9	0.557
379	6.14	34.120	1.06	2.94	71.	0.02	39.4	119.8	400	6.02	34.138	0.94	26.891	117.0	0.686
477	5.68	34.207	0.61	3.12	82.	0.02	41.6	107.8	500	5.59	34.228	0.58	27.015	105.3	0.803
608	5.22	34.309	0.44	3.28	102.	0.02	43.0	94.9	600	5.25	34.304	0.45	27.117	95.6	0.910
760	4.63	34.364	0.49	3.31	111.	0.02	44.7	84.4	700	4.85	34.346	0.47	27.196	88.1	1.010
905	4.27	34.426	0.50	3.31	118.	0.02	45.2	76.0	800	4.52	34.382	0.49	27.261	81.9	1.102
1112	3.72	34.479	0.79	3.32	129.	0.02	45.2	66.6	1000	4.02	34.455	0.59	27.373	71.3	1.273

RV ALEXANDER AGASSIZ CALCOFI CRUISE 7207 67070

	LATITUDE 36 7.5 N	LONGITUDE 123 29.0 W	MO/DAY/YR 07/18/72	MESSENDER TIME 1823 GMT	BOTTOM 3540 M	WIND 170	SPEED 04 KT	WEATHER 1	DOMINANT WAVES 310 03 08					
Z	T	S	02	P04 S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	15.29	33.096			347.7	0	15.29	33.096	24.464	347.7	0.000			
11	14.86	33.121			337.7	10	14.94	33.123	24.560	338.5	0.034			
31	11.53	32.997			282.9	20	13.45	33.056	24.820	313.8	0.067			
56	10.00	33.083			251.1	30	11.71	33.002	25.114	285.9	0.097			
71	9.81	33.275			233.9	50	10.16	33.043	25.419	256.8	0.151			
86	9.85	33.598			210.6	75	9.82	33.367	25.729	227.3	0.212			
101	9.30	33.611			201.1	100	9.34	33.614	26.001	201.5	0.266			
131	9.00	33.621			181.0	125	9.03	33.774	26.175	185.0	0.315			
156	8.42	33.910			165.9	150	8.56	33.894	26.343	169.0	0.360			
181	8.12	33.957			158.0	200	8.03	34.001	26.507	153.4	0.442			
216	7.96	34.034			150.0	250	7.58	34.066	26.623	142.5	0.518			
281	7.19	34.081			136.0	300	7.00	34.097	26.729	132.3	0.589			
380	6.35	34.159			119.4	400	6.25	34.173	26.890	117.1	0.719			
479	5.90	34.219			109.5	500	5.79	34.229	26.992	107.4	0.837			
612	5.19	34.279			96.8	600	5.25	34.274	27.092	97.9	0.946			
766	4.58	34.376			82.9	700	4.82	34.335	27.191	88.6	1.047			
914	4.11	34.435			73.7	800	4.46	34.392	27.276	80.5	1.139			
1120	3.54	34.479			64.9	1000	3.86	34.459	27.392	69.5	1.306			

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

67080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 47.0 N	124 12.5 W	07/18/72	2340 GMT		3930 M	290	05 KT	1	350 03 09
0	16.73	33.077		3P0.0	0	16.73	33.077	24.125	380.0 0.000
10	15.65	33.085		356.0	10	15.65	33.085	24.377	356.0 0.037
30	15.39	33.089		350.3	20	15.50	33.085	24.410	352.8 0.072
55	12.04	33.275		271.5	30	15.39	33.089	24.437	350.3 0.108
70	11.41	33.341		255.5	50	12.73	33.225	25.093	287.8 0.172
86	10.74	33.434		237.3	75	11.19	33.363	25.489	250.1 0.239
101	10.33	33.623		216.5	100	10.35	33.610	25.826	217.9 0.298
131	9.41	33.763		191.5	125	9.58	33.748	26.066	195.3 0.350
156	8.96	33.878		176.1	150	9.06	33.853	26.233	179.5 0.398
181	8.46	33.953		163.2	200	8.14	33.975	26.409	157.0 0.484
216	7.90	33.982		153.0	250	7.37	33.997	26.559	144.7 0.561
281	6.93	34.006		138.2	300	6.72	34.010	26.700	135.1 0.633
382	6.05	34.051		123.8	400	5.95	34.075	26.850	120.9 0.766
481	5.64	34.195		108.2	500	5.59	34.219	27.009	105.9 0.885
615	5.29	34.326		94.4	600	5.33	34.316	27.117	95.6 0.992
769	4.43	34.345		33.7	700	4.82	34.341	27.196	88.1 1.091
917	4.03	34.412		74.6	800	4.33	34.358	27.263	81.7 1.184
1123	3.51	34.482		64.4	1000	3.82	34.444	27.385	70.2 1.352

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

67090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
35 27.0 N	124 55.0 W	07/19/72	0525 GMT		4365 M	300	09 KT	1	4365 03 09
0	16.72	33.114		366.1	0	16.22	33.114	24.271	366.1 0.000
10	15.84	33.101		358.9	10	15.84	33.101	24.346	358.9 0.036
30	15.33	33.101		348.1	20	15.66	33.096	24.381	355.6 0.072
55	12.45	33.245		281.1	30	15.33	33.101	24.459	348.1 0.107
70	11.58	33.355		257.4	50	13.05	33.202	25.012	295.5 0.172
85	10.71	33.510		231.1	75	11.27	33.409	25.510	248.1 0.240
100	10.20	33.584		217.3	100	10.20	33.584	25.835	217.3 0.299
130	9.33	33.778		199.2	125	9.45	33.746	26.085	193.5 0.351
157	8.90	33.890		174.3	150	9.00	33.867	26.253	177.5 0.398
182	8.48	33.943		164.2	200	8.22	33.974	26.453	158.1 0.453
217	7.99	33.998		153.1	250	7.57	34.023	26.591	145.5 0.561
281	7.21	34.037		139.5	300	7.02	34.053	26.692	135.8 0.634
381	6.29	34.118		121.7	400	6.12	34.128	26.871	118.9 0.766
480	5.52	34.173		108.5	500	5.43	34.190	27.005	106.2 0.884
614	5.04	34.288		94.5	600	5.07	34.276	27.115	95.8 0.991
768	4.57	34.397		81.3	700	4.77	34.354	27.211	86.6 1.090
915	4.11	34.448		72.7	800	4.47	34.411	27.290	79.2 1.180
1120	3.58	34.497		63.9	1000	3.87	34.472	27.401	68.6 1.345

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

70053

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
36 7.0 N	121 54.5 W	07/17/72	2128 GMT		1036 M	160	10 KT	2	1036 03 04
0	15.47	33.572	6.25	0.64	7.	0.16	3.6	316.7	316.7 0.000
10	13.84	33.554	6.74	0.66	8.	0.19	6.3	284.8	284.8 0.030
30	12.01	33.652	5.53	1.02	15.	0.32	10.2	243.2	243.2 0.057
55	10.48	33.765	3.76	1.56	21.	0.37	17.2	208.5	25.371 25.562
70	10.10	33.789	3.30	1.72	24.	0.30	20.2	200.5	243.2 243.2
85	9.79	33.871	2.83	1.90	28.	0.16	23.3	189.5	10.71 213.6
100	9.67	33.912	2.71	1.91	28.	0.02	23.4	184.6	26.052 196.7
130	9.40	33.979	2.54	2.03	32.	0.01	25.5	175.4	125 26.260
156	9.11	34.022	2.55	2.08	34.	0.01	26.4	167.7	150 16.19 26.337
180	8.71	34.053	2.47	2.14	38.	0.01	27.6	159.4	200 8.61 26.490
216	8.58	34.123	1.99	2.35	42.	0.02	29.7	152.3	250 8.32 26.584
280	8.06	34.171	1.48	2.56	51.	0.02	32.6	141.2	300 7.96 26.662
379	7.57	34.227	1.09	2.78	58.	0.02	34.4	130.2	400 7.40 26.776
477	6.71	34.224	0.85	2.98	69.	0.00	37.5	119.1	500 6.49 26.898
609	5.60	34.243	0.60	3.08	83.	0.00	41.0	104.2	600 5.66 26.223
761	5.18	34.358	0.51	3.26	104.	0.00	42.9	90.8	700 5.32 27.115
907	4.43	34.389	0.33	3.32	117.	0.00	44.9	80.4	800 4.97 27.199
1006	4.20	34.432	0.31	3.30	125.	0.02	45.0	74.8	1000 4.21 27.333

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

70060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
35 53.5 N	122 24.0 W	07/17/72	1640 GMT	3034 M	150	05 KT	4	230 02 07							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
0	15.38	33.387	6.13	0.42	4.	0.06	1.1	328.3	0	15.38	33.387	6.13	24.668	326.3	0.000
10	14.00	33.359	6.53	0.43	4.	0.08	1.4	302.3	10	14.00	33.359	6.53	24.941	302.3	0.032
30	12.24	33.471	5.64	0.83	8.	0.30	6.6	260.7	20	13.03	33.401	6.10	25.170	280.5	0.061
55	10.22	33.662A	4.17	1.47	20.	0.22	17.7	211.8	30	12.24	33.471	5.64	25.378	260.7	0.088
71	9.97	33.761	3.52	1.66	22.	0.08	20.2	200.5	50	10.54	33.623	4.47	25.807	219.9	0.136
86	9.70	33.839A	3.16	1.78	26.	0.02	23.7	190.4	75	9.90	33.784	3.41	26.041	197.7	0.189
101	9.50	33.902	2.93	1.90	29.	0.02	24.5	192.6	100	9.51	33.899	2.94	26.195	183.1	0.237
130	9.28	33.979	2.60	2.02	32.	0.00	25.8	173.5	125	9.31	33.969	2.65	26.281	174.8	0.282
156	8.98	34.040	2.38	2.13	36.	0.01	27.3	164.4	150	9.05	34.026	2.44	26.370	166.5	0.325
181	8.66	34.108	1.92	2.25	40.	0.00	29.0	157.2	200	8.74	34.134	1.75	26.504	153.7	0.407
216	8.63	34.151	1.66	2.30	43.	0.01	30.7	151.0	250	8.42	34.174	1.51	26.583	146.2	0.484
281	8.23	34.187	1.41	2.48	49.	0.02	32.3	142.5	300	8.10	34.196	1.33	26.649	140.0	0.558
380	7.50	34.223	1.00	2.62	59.	0.02	34.9	129.6	400	7.33	34.225	0.94	26.784	127.2	0.697
478	6.68	34.254	0.72	2.96	72.	0.00	38.1	118.0	500	6.51	34.240	0.66	26.909	115.3	0.825
611	5.70	34.280	0.44	3.15	95.	0.02	41.0	102.4	600	5.77	34.275	0.46	27.031	103.8	0.942
764	4.81	34.340	0.32	3.28	109.	0.00	44.8	88.1	700	5.14	34.314	0.35	27.137	93.7	1.049
913	4.37	34.412	0.36	3.28	118.	0.00	46.0	78.1	800	4.68	34.358	0.33	27.225	85.4	1.147
1122	3.74	34.474	0.58	3.27	133.	0.00	47.0	67.2	1000	4.11	34.443	0.43	27.354	73.1	1.523

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

70070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
35 32.0 N	123 6.0 W	07/17/72	1035 GMT	5730 M	190	06 KT	5	230 02 07							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
0	15.23	33.32	6.00	0.43	3.	0.05	0.9	330.1	0	15.23	33.320	6.00	24.649	330.1	0.000
10	14.97	33.309	6.10	0.45	3.	0.06	0.9	325.5	10	14.97	33.309	6.10	24.697	325.5	0.033
30	11.49	33.050	6.40	0.63	4.	0.18	3.2	276.4	20	13.33	33.167	6.28	24.929	303.4	0.064
55	10.26	33.064	5.92	0.48	8.	0.46	7.3	256.7	30	11.49	33.050	6.40	25.192	278.4	0.093
70	9.90	33.215	5.55	1.14	13.	0.54	11.6	239.7	50	10.34	33.061	6.06	25.404	258.2	0.147
85	9.25	33.324	5.02	1.34	17.	0.12	15.6	221.6	75	9.87	33.251	5.38	25.663	233.6	0.209
100	9.05	33.488	4.58	1.55	22.	0.16	18.9	206.4	100	9.05	33.488	4.58	25.949	206.4	0.264
131	8.99	33.783	3.79	1.81	29.	0.01	23.7	183.6	125	8.99	33.734	3.95	26.150	187.4	0.314
157	8.73	33.927	2.88	2.04	34.	0.00	26.9	169.1	150	8.81	33.897	3.10	26.306	172.5	0.360
152	8.41	33.990	2.64	2.13	38.	0.00	28.9	159.7	200	8.19	34.017	2.45	26.496	154.5	0.443
217	7.99	34.036	2.28	2.31	43.	0.00	31.3	150.3	250	7.72	34.079	1.93	26.614	143.3	0.519
282	7.50	34.115	1.72	2.55	53.	0.00	33.5	137.6	300	7.34	34.127	1.58	26.705	154.7	0.591
382	6.63	34.161	1.06	2.88	68.	0.00	37.4	122.8	400	6.50	34.171	0.99	26.855	120.4	0.724
481	5.92	34.211	0.74	3.10	82.	0.00	40.5	110.3	500	5.74	34.214	0.69	26.986	106.0	0.844
615	4.78	34.242	0.47	3.26	103.	0.02	44.4	95.1	600	4.89	34.238	0.49	27.105	96.7	0.953
768	4.41	34.361	0.49	3.30	118.	0.00	45.7	82.3	700	4.52	34.307	0.48	27.203	87.5	1.052
916	4.02	34.423	0.46	3.30	126.	0.00	46.5	73.7	800	4.33	34.378	0.43	27.279	80.2	1.143
1123	3.53	34.48	0.71	3.28	139.	0.00	46.3	64.8	1000	3.81	34.451	0.52	27.391	69.7	1.309

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

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LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
35 12.0 N	123 48.0 W	07/17/72	0004 0523 GMT	4763 M	220	09 KT	2	290 02 07							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
1	15.73	33.116	5.87	0.59	3.	0.00	0.6	355.5	0	15.73	33.116	5.87	24.382	355.5	0.000
11	15.48	33.109	6.44	0.35	3.	0.00	0.0	350.7	10	15.50	33.110	6.39	24.428	351.1	0.035
31	15.24	33.119	5.93	0.35	3.	0.01	0.6	345.0	20	15.37	33.114	6.47	24.460	348.1	0.070
57	12.65	33.175	6.59	0.41	4.	0.02	0.0	299.9	30	15.25	33.119	6.50	24.490	345.2	0.105
72	12.16	33.313	6.09	0.71	6.	0.30	4.0	270.9	50	13.37	33.140	6.57	24.902	306.0	0.170
87	11.18	33.294	5.75	0.87	9.	0.18	7.9	255.0	75	11.96	33.309	6.02	25.306	267.5	0.242
102	10.82	33.419	5.35	1.06	11.	0.03	11.2	239.7	100	10.85	33.399	5.44	25.577	241.5	0.307
132	9.78	33.646	4.11	1.51	20.	0.01	19.0	216.0	125	10.02	33.596	4.48	25.873	213.6	0.364
157	9.22	33.816	3.33	1.78	24.	0.03	23.0	194.7	150	9.35	33.773	3.51	26.724	199.2	0.445
182	8.99	33.921	3.03	1.93	30.	0.01	25.1	173.4	200	8.70	33.972	2.81	26.385	165.0	0.506
217	8.41	34.016	2.63	2.09	38.	0.01	27.4	157.1	250	8.04	34.053	2.41	26.546	149.8	0.596
282	7.75	34.066	2.24	2.34	46.	0.01	30.8	144.7	300	7.57	34.079	2.09	26.634	141.4	0.661
321	6.81	34.127	1.38	2.75	62.	0.00	35.9	127.1	400	6.64	34.138	1.25	26.811	124.6	0.810
481	5.98	34.186	0.79	3.03	78.	0.00	40.2	112.4	500	5.87	34.200	0.71	26.950	110.6	0.923
614	5.37	34.284	0.39	3.22	94.	0.00	43.3	98.4	600	5.42	34.274	0.41	27.075	99.8	1.035
768	4.75	34.371	0.31	3.29	108.	0.00	44.4	85.1	700	5.01	34.336	0.35	27.170	90.5	1.176
916	4.29	34.428	0.41	3.31	119.	0.00	45.9	76.1	800	4.65	34.386	0.32	27.251	82.7	1.233
1047C	3.86	34.489	0.56	3.27	133.	0.00	46.8	65.4	1000	4.00	34.449	0.51	27.370	71.6	1.405
1124	3.73	34.489	0.63	3.29	131.	0.00	46.8	65.4	1200	3.44		0.73			
1145C	3.61		0.66	3.28	135.		45.9	65.4	1500	2.25		1.02			
1243C	3.37		0.77	3.26	136.		46.2	65.4	2000	2.12		1.64			
1439C	2.95		0.95	3.21			45.3	65.4	2250	1.90		1.99			</

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

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LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
			1823 GMT		4346 M	260	05 KT	2	230 06 06						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	15.68	33.262			343.8	0	15.68	33.262	24.505	343.8	0.000				
11	15.60	33.257			342.4	10	15.61	33.257	24.518	342.6	0.034				
31	15.52	33.280			339.1	20	15.56	33.268	24.535	340.9	0.069				
55	12.69	33.480			266.3	30	15.52	33.270	24.553	339.2	0.103				
70	11.03	33.506			276.8	50	13.39	33.434	25.123	285.0	0.165				
85	10.40	33.572			221.4	75	10.75	33.526	25.693	230.7	0.230				
100	9.92	33.655			207.5	100	9.92	33.655	25.937	207.5	0.285				
130	8.82	33.768			142.2	125	8.97	33.749	26.165	185.9	0.335				
155	8.75	33.926			169.4	150	8.76	33.902	26.317	171.5	0.380				
179	8.50	33.971			142.4	200	8.21	34.005	26.483	155.7	0.464				
214	8.00	34.023			151.4	250	7.50	34.035	26.611	143.6	0.540				
278	7.17	34.040			158.7	300	7.06	34.071	26.700	135.1	0.612				
376	6.79	34.175			123.8	400	6.57	34.182	26.855	120.4	0.745				
474	5.86	34.194			110.9	500	5.70	34.211	26.989	107.8	0.865				
607	5.23	34.294			96.1	600	5.25	34.288	27.104	96.8	0.974				
759	4.67	34.390			62.9	700	4.87	34.356	27.202	87.6	1.074				
907	4.19	34.447			73.6	800	4.53	34.409	27.281	80.0	1.165				
1112	3.58	34.494			64.2	1000	3.91	34.473	27.399	68.8	1.331				

RV ALEXANDER AGASSIZ

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80051

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
			0211 GMT		119 M	320	23 KT	4	310 05 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	13.84				0	13.84									
10	11.97				10	11.97									
20	11.27				20	11.27									
31	11.12				30	11.12									
51	10.63				50	10.63									
77	10.54				75	10.55									

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

80052

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
			0428 GMT		294 M	320	23 KT	4	310 05 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	13.73	5.82			0	13.73	5.62								
11	12.59	5.04			10	12.98	5.10								
29	10.87	3.86			20	11.85	4.45								
39	10.23	3.30			30	10.79	3.79								
53	9.99	3.08			50	10.00	3.09								
67	9.92	3.08			75	9.91	3.97								
81	9.90	3.04			100	9.64	2.83								
100	9.64	2.83			125	9.53	2.76								
125	9.53	2.76			150	9.30	2.44								
150	9.30	2.44			200	9.00	2.04								
198	9.01	2.05			250	8.77	1.70								
246	8.79	1.73													

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

80060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
			0926 GMT		2074 M	330	18 KT	4	310 05 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	14.87	33.409	6.09	0.34	31.0	0.0	31.0	0	14.87	33.409	6.09	24.796	316.1	0.000	
10	14.87	33.418	6.13	0.34	3.	0.00	0.0	319.4	10	14.87	33.418	6.13	24.803	315.4	0.032
30	14.46	33.386	5.210	0.38	3-	0.00	0.0	319.4	20	14.66	33.402	6.12	24.834	312.4	0.063
55	12.14	33.227	6.09	0.54	4-	0.11	1.6	276.8	30	14.46	33.386	6.11	24.866	309.4	0.094
70	11.01	33.271	5.62	0.85	7-	0.21	7.0	253.8	50	12.66	33.249	6.09	25.125	284.7	0.154
85	11.14	33.545	4.98	1.06	13-	0.23	10.0	225.9	75	11.04	33.364	5.41	25.517	247.5	0.221
100	10.23	33.575	4.49	1.26	16-	0.11	14.2	218.4	100	10.23	33.575	4.49	25.823	218.4	0.279
130	9.75	33.828	3.44	1.68	75-	0.02	20.2	192.0	125	9.77	33.765	3.59	26.064	195.5	0.332
155	9.40	33.882	3.23	1.77	28-	0.02	22.7	182.5	150	9.47	33.877	3.25	26.185	184.0	0.380
180	9.03	33.941	3.09	1.87	31-	0.03	24.2	172.5	200	8.63	34.006	2.85	26.419	161.8	0.468
216	8.30	34.052	2.65	2.14	40-	0.01	27.8	153.5	250	7.66	34.055	2.48	26.604	144.3	0.540
281	7.18	34.040	2.34	2.35	51-	0.00	32.1	178.9	300	7.04	34.078	2.09	26.708	134.3	0.618
382	6.68	34.241	0.97	2.86	70-	0.00	40.3	117.5	400	6.56	34.247	0.87	26.907	115.5	0.748
482	6.01	34.245	0.64	3.06	82-	0.00	40.3	108.8	500	5.89	34.253	0.59	26.998	106.9	0.866
616	5.25	34.321	0.42	3.23	97-	0.00	37.2	94.5	600	5.33	34.310	0.43	27.112	96.1	0.974
769	4.79	34.419	0.56	3.28	112-	0.00	43.7	31.9	700	4.98	34.377	0.48	27.206	87.1	1.073
917	4.24	34.475	0.61	3.29	124-	0.00	47.3	72.0	900	4.67	34.433	0.57	27.285	79.6	1.165
1119	3.68	34.510	0.67	3.18	135-	0.00	44.5	63.9	1000	3.98	34.496	0.64	27.409	67.9	1.330

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

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LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 49.0 N	121 47.0 W	07/14/72	0053 0353 GMT	3583 M	320	13 KT	Z	320 04 04						
Z	T	S	02	P04 S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	15.82	33.518		328.0	0	15.82	33.518	24.670	328.0	0.000				
11	15.81	33.517		327.9	10	15.81	33.518	24.672	327.9	0.033				
31	14.15	33.560		290.5	20	15.19	33.537	24.823	313.5	0.065				
57	12.09	33.473		257.8	30	14.26	33.558	25.040	292.8	0.095				
72	10.98	33.535		233.4	50	12.63	33.493	25.319	266.3	0.151				
87	10.28	33.666		212.5	75	10.81	33.561	25.709	229.2	0.214				
102	9.82	33.759		198.2	100	9.67	33.748	26.018	199.9	0.248				
132	9.00	33.926		173.2	125	9.17	33.893	26.246	175.2	0.316				
157	8.63	33.985		163.3	150	8.72	33.974	26.380	165.4	0.359				
184	8.26	34.027		154.5	200	8.08	34.041	26.530	151.2	0.440				
219	7.88	34.050		147.7	250	7.47	34.055	26.629	141.9	0.515				
284	7.03	34.054		125.0	300	6.87	34.063	26.720	133.2	0.586				
384	6.22	34.131		119.9	400	6.11	34.145	26.935	117.5	0.716				
483	5.62	34.217		106.3	500	5.53	34.228	27.023	104.5	0.833				
617	4.99	34.297		93.2	600	5.06	34.288	27.126	94.7	0.939				
771	4.45	34.396		80.3	700	4.68	34.352	27.220	85.8	1.036				
917	4.03	34.454		71.5	800	4.37	34.411	27.301	78.2	1.126				
984A	3.78	34.467		68.1	1000	3.74	34.470	27.414	67.5	1.248				
1083A	3.55	34.485		64.6	1200	3.33	34.509	27.485	60.7	1.434				
1121	3.47	V 34.509		1500	2.77	34.556	27.574	52.3	1.621					
1183A	3.36	34.505		61.3	2000	2.08	34.619	27.681	42.1	1.713				
1282A	3.16	34.526		57.0	2250	1.86	34.634	27.710	39.4	2.058				
1383A	2.98	34.542		55.2	2500	1.75	34.649	27.751	37.4	2.157				
1482A	2.80	34.553		52.8	2750	1.68	34.655	27.744	36.2	2.273				
1582A	2.62	34.572		49.9	3000	1.63	34.662	27.751	35.5	2.388				
1782A	2.29	34.596		45.4	3250	1.58	34.669	27.760	34.7	2.502				
1981A	2.10	34.617		42.3	3500	1.53	34.675	27.769	33.8	2.615				
2161A	1.92	34.627		40.2										
2380A	1.81	34.645		38.1										
2580A	1.72	34.650		37.1										
2779A	1.68	34.659		36.1										
2979A	1.63	34.661		75.6										
3179A	1.59													
3378A	1.55	34.672		74.2										
3567A	1.52	34.677		33.5										
3578A	1.52	34.678		33.5										

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 7207

80080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 26.0 N	122 36.5 W	07/15/72	1915 2225 GMT	454 M	320	13 KT	Z	290 P 7							
Z	T	S	02	P04 S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	15.78	32.974	5.89	0.32	2.	0.00	0.0	366.9	0	15.78	32.974	5.89	24.262	366.9	0.000
10	15.62	32.975	5.88	0.34	2.	0.00	0.0	363.5	10	15.62	32.975	5.88	24.299	365.5	0.037
30	15.56	33.001	5.87	0.36	3.	0.00	0.0	360.5	20	15.59	32.989	5.87	24.315	361.9	0.073
55	13.85	33.040	6.24	0.35	2.	0.00	0.0	322.7	30	15.56	33.001	5.87	24.332	360.3	0.109
70	13.01	33.036	6.33	0.38	2.	0.02	0.0	306.4	50	14.25	33.033	6.16	24.638	331.1	0.178
85	11.96	33.126	6.22	0.38	2.	0.02	0.0	281.0	75	12.64	33.067	6.30	24.988	297.8	0.257
101	11.41	33.097	6.15	0.44	3.	0.08	0.3	275.5	100	11.44	33.100	6.16	25.240	273.8	0.329
131	10.11	33.317	5.24	1.02	11.	0.02	0.05	235.5	125	10.36	33.254	5.47	25.550	244.4	0.395
156	9.41	33.588	4.30	1.47	20.	0.01	18.2	204.5	150	9.55	33.524	4.51	25.896	211.4	0.452
181	8.95	33.763	3.81	1.70	26.	0.02	21.1	184.5	200	8.62	33.865	3.53	26.311	172.1	0.550
216	8.36	33.930	3.33	1.90	34.	0.01	24.9	163.4	250	7.93	33.996	2.97	26.517	152.5	0.633
281	7.59	34.017	2.66	2.89	45.	0.01	28.9	146.2	300	7.34	34.036	2.40	26.675	141.3	0.709
381	6.34	34.105	1.39	2.76	69.	0.01	35.6	123.3	400	6.17	34.118	1.27	26.857	120.2	0.844
480	5.60	34.171	0.94	3.07	55.	0.01	41.2	109.5	500	5.50	34.185	0.90	26.993	107.3	0.964
614	5.06							600	5.11	34.260	0.72	27.099	97.3	1.073	
769	4.30	34.380	0.42	3.31	120.	0.00	45.2	51.3	700	4.63	34.324	0.54	27.203	67.4	1.172
917	3.92	34.440	0.60	3.28	131.	0.02	46.2	71.5	800	4.20	34.378	0.45	27.233	75.7	1.263
1047B	3.64	34.488	0.66	3.22	134.	0.00	46.6	65.2	1000	3.74	34.474	0.63	27.417	67.2	1.425
1123	3.46	34.496	0.81	3.22	144.	0.01	46.2	62.9	1200	3.20	34.515	0.89	27.493	59.9	1.569
1246B	3.19	34.527	0.92	3.26	144.	0.00	45.9	58.1	1500	2.77	34.558	1.18	27.575	52.2	1.765
1445B	2.88	34.555	1.15	3.15	152.	0.00	43.0	53.3	2000	2.08	34.617	1.75	27.679	42.3	2.047
1645B	2.49	34.566	1.26	3.14	164.	0.00	45.5	49.2	2750	1.87	34.638	2.12	27.712	39.2	2.172
1842B	2.26	34.600	1.57	3.09	170.	0.01	44.1	44.7	2500	1.79	34.655	2.40	27.754	37.1	2.242
2041B	2.05	34.620	1.83	3.00	174.	0.01	42.4	41.7	2750	1.68	34.663	2.61	27.748	35.8	2.407
2240B	1.89	34.660U	2.11	3.00	178.	0.01	41.6	3000	1.60	34.666	2.74	27.757	35.0	2.521	
2438B	1.80	34.651	2.33	2.93	178.	0.01	41.7	57.6	3250	1.58	34.671	2.87	27.762	34.4	2.634
2637B	1.73	34.666	2.53	2.87	173.0	0.01	40.2	36.4	3500	1.53	34.675	3.02	27.769	33.9	2.747
2835B	1.64	34.664	2.66	2.84	177.	0.01	41.2	35.4	3750	1.57	34.683	3.13	27.776	33.2	2.860
3035B	1.59	34.697U	2.78	2.79	183.0	0.01	40.6	32.7	4000	1.50	34.685	3.24	27.779	32.4	2.972
3233B	1.58	34.671	2.86	2.78	178.	0.01	39.9	34.9							
3432B	1.53		2.99	2.73	178.	0.01	39.4	33.5							
3630B	1.52	34.678	3.05	2.74	181.	0.01	39.4	33.5							
3829B	1.52	34.685	3.16	2.70	177.	0.01	38.6	33.0							
3978B	1.50	34.684	3.23	2.78	179.	0.01	35.8	32.9							
4118B	1.50	34.689	3.30	2.71	176.	0.01	39.2	32.6							
4129B	1.50	34.687	3.34	2.69	175.	0.01	38.1	32.7							

A) CAST I.

B) CAST II.

RV ALEXANDER AGASSIZ

CALCOFT CRUISE 7207

80090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT	WAVES					
			0450 GMT		4250 M	330	12 KT	2	300	03 06					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
1	16.23	33.038			371.9	0	16.23	33.038	24.210	371.9	0.000				
11	16.09	33.035			369.3	10	16.10	33.034	24.235	369.5	0.037				
31	15.78	33.039			362.2	20	16.01	33.031	24.253	367.9	0.074				
57	13.88	33.162			314.3	30	15.81	33.039	24.305	362.8	0.110				
72	12.92	33.158			296.2	50	14.46	33.129	24.667	328.3	0.180				
87	11.91	33.089			232.3	75	12.70	33.141	25.034	293.4	0.258				
103	11.44	33.186			267.4	100	11.51	33.162	25.275	270.5	0.329				
133	10.07	33.401			228.7	125	10.42	33.338	25.605	239.2	0.393				
158	9.58	33.625			204.4	150	9.71	33.552	25.892	211.9	0.450				
183	8.95	33.850			178.1	200	8.67	33.930	26.353	168.0	0.547				
218	8.44	33.977			161.1	250	7.98	34.022	26.531	151.2	0.629				
234	7.51	34.037			143.6	300	7.31	34.045	26.646	140.2	0.704				
384	6.38	34.086			125.4	400	6.23	34.095	26.830	122.5	0.940				
483	5.58	34.155			110.5	500	5.47	34.168	26.985	108.3	0.962				
616	4.87	34.256			95.5	600	4.94	34.244	27.105	96.7	1.070				
770	4.43	34.385			80.7	700	4.61	34.330	27.211	86.7	1.169				
919	3.99	34.450			71.4	800	4.34	34.401	27.296	78.6	1.259				
1129	3.43	34.512			67.4	1000	3.77	34.476	27.417	67.1	1.421				

RV ALEXANDER AGASSIZ

CALCOFT CRUISE 7207

83075

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT	WAVES					
			2322 0143 GMT		3926 M	310	17 KT	1	310	05 06					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
0	16.48	33.280			359.7	0	16.48	33.280	24.338	359.7	0.000				
10	16.32	33.262			357.5	10	16.32	33.262	24.361	357.5	0.036				
30	16.01	33.253			351.5	20	16.23	33.265	24.384	355.4	0.072				
56	14.07	33.055			325.9	30	16.01	33.253	24.425	351.5	0.107				
71	13.35	33.084			309.8	50	14.56	33.094	24.620	332.8	0.176				
86	12.42	33.168			286.2	75	13.11	33.106	24.928	303.5	0.256				
102	11.58	33.204			268.6	100	11.67	33.200	25.275	270.5	0.328				
132	10.74	33.380			241.2	125	10.92	33.330	25.512	247.9	0.393				
157	9.46	33.597			207.7	150	9.94	33.533	25.838	216.9	0.452				
183	9.29	33.805			186.6	200	9.12	33.883	26.247	173.1	0.553				
219	8.92	33.939			171.0	250	8.41	34.001	26.450	158.8	0.639				
284	7.79	34.039			147.5	300	7.54	34.049	26.616	143.1	0.717				
383	6.44	34.076			126.7	400	6.28	34.086	26.816	124.1	0.855				
483	5.68	34.141			112.7	500	5.58	34.158	26.962	110.3	0.978				
617	5.02	34.277			95.1	600	5.09	34.260	27.101	97.1	1.059				
769	4.52	34.386			81.6	700	4.73	34.343	27.207	87.0	1.188				
917	4.04	34.444			72.3	800	4.42	34.401	27.288	79.4	1.279				
987A	3.83					1000	3.80	34.470	27.407	68.1	1.443				
1123	3.52	34.502			63.0	1200	3.32	34.510	27.487	60.6	1.589				
1187A	3.35	34.508			61.0	1500	2.77	34.555	27.574	52.3	1.786				
1383A	2.96	34.545			54.8	2000	2.10	34.620	27.681	42.2	2.069				
1581A	2.64	34.562			50.8	2250	1.90	34.635	27.709	39.5	2.194				
1779A	2.34	34.597			45.7	2500	1.80	34.652	27.730	37.5	2.314				
1979A	2.12	34.617			42.5	2750	1.67	34.656	27.743	36.3	2.431				
2178A	1.94	34.631			40.1	3000	1.62	34.660	27.750	35.6	2.546				
2378A	1.85	34.641			38.7	3250	1.57	34.668	27.760	34.7	2.660				
2579A	1.76	34.657			36.9	3500	1.56	34.674	27.766	34.1	2.774				
2780A	1.66	34.655			36.2	3750	1.54	34.675	27.768	33.9	2.888				
2982A	1.62	34.659			35.7										
3184A	1.59	34.664			35.1										
3387A	1.55	34.674			34.0										
3537A	1.56	34.673			34.2										
3689A	1.55	34.675			34.0										
3841A	1.53	34.674			33.9										

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

90028

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT	WAVES					
			120R GMT		284 M	360	01 KT	2	490						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
					0	19.60	33.65		23.859	405.4	0.000				
					10	18.36	33.61		24.141	378.5	0.039				
					20	14.31	33.42		24.924	303.9	0.073				
					30	12.68	33.42		25.254	272.5	0.102				
					50	10.99	33.54		25.662	233.7	0.153				
					75	10.33	33.66		25.872	213.8	0.209				
					100	9.84	33.85		26.103	191.8	0.260				
					125	9.82	34.00		26.223	180.4	0.308				
					150	9.85	34.12		26.311	172.0	0.352				
					200	9.80	34.29		26.452	158.7	0.437				
					250	9.45	34.31		26.526	151.6	0.517				

AT CAST II.

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

90028

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 28.5 N	117 46.5 W	07/25/72	1303 GMT	284 M	360	01 KT	2	450							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
1	19.56	33.623	6.20	0.11	3.	0.01	0.0	406.4	0	19.56	33.623	6.20	23.848	406.4	0.000
11	17.44	33.566	6.30	0.14	3.	0.01	0.0	360.3	10	17.69	33.574	6.29	24.278	365.5	0.039
21	14.50	33.489	5.95	0.27	5.	0.01	0.1	302.7	20	14.80	33.495	6.02	24.877	308.4	0.072
30	12.42	33.474	4.84	0.56	8.	0.00	0.1	263.7	30	12.42	33.474	4.84	25.346	263.7	0.101
50	10.99	33.519	4.54	1.05	13.	0.01	11.0	235.2	50	10.99	33.519	4.54	25.646	235.2	0.151
76	10.17	33.684	3.89	1.47	19.	0.00	16.5	209.4	75	10.19	33.677	3.92	25.909	210.2	0.207
100	9.85	33.851	3.32	1.72	23.	0.00	20.1	191.9	100	9.85	33.851	3.32	26.102	191.9	0.258

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

90032

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 21.0 N	118 3.0 W	07/25/72	0935 GMT	750 M	250	04 KT	1	250 02 07							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
									0	20.58	33.71		23.647	425.6	0.000
									10	20.57	33.71		23.650	425.3	0.04%
									20	19.59	33.66		23.369	404.4	0.054
									30	14.15	33.50		25.019	294.9	0.119
									50	11.62	33.47		25.494	249.7	0.174
									75	10.49	33.49		25.867	214.2	0.232
									100	10.01	33.43		26.059	196.0	0.284
									125	9.39	33.86		26.185	154.0	0.332
									150	9.45	34.05		26.323	170.9	0.377
									200	9.02	34.11		26.440	159.5	0.461
									250	8.53	34.15		26.549	149.6	0.541
									300	8.44	34.31		26.687	136.4	0.615
									400	7.37	34.30		26.837	122.1	0.750
									500	6.67	34.32		26.950	111.4	0.874
									600	6.11	34.35		27.047	102.2	0.984
									700	5.57	34.38		27.138	93.6	1.095

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

90037

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 11.0 N	118 22.0 W	07/25/72	0552 GMT	1184 M	290	10 KT	1	290 04 04							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
									0	20.55	33.71		23.655	424.8	0.000
									10	15.28	33.60		24.853	310.6	0.037
									20	13.06	33.44		25.195	278.1	0.066
									30	12.09	33.52		25.445	254.3	0.093
									50	10.70	33.61		25.768	223.6	0.141
									75	10.06	33.76		25.996	202.0	0.194
									100	9.74	33.92		26.174	185.1	0.243
									125	9.85	34.12		26.311	172.0	0.289
									150	9.47	34.18		26.421	161.6	0.351
									200	8.67	34.21		26.541	150.2	0.411
									250	8.26	34.21		26.636	141.2	0.485
									300	7.67	34.23		26.710	134.2	0.557
									400	7.44	34.27		26.804	125.3	0.652
									500	6.72	34.32		26.943	112.1	0.818
									600	5.97	34.36		27.073	99.8	0.932
									700	5.46	34.40		27.167	90.8	1.035
									800	5.18	34.42		27.217	86.7	1.133
									1000	4.32	34.48		27.361	72.5	1.310

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

90037

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 11.0 N	118 22.0 W	07/25/72	0649 GMT	1184 M	290	10 KT	1	290 04 04							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
0	20.66	33.700	0.05	2.	0.00	0.0	478.3	0	20.66	33.700	3.24	23.610	424.3	0.000	
10	13.72	33.536	4.41	0.21	10.	0.04	5.4	246.8	10	20.17	33.679	5.56	23.732	417.5	0.042
55	10.40	33.670	3.68	1.40	17.	0.02	15.3	214.2	20	16.16	33.504	4.90	24.583	336.4	0.080
73	9.76	33.740	3.84	1.56	21.	0.00	15.3	198.7	30	11.72	33.536	4.41	25.527	246.6	0.109
85	9.66	33.840	3.27	1.68	23.	0.00	19.7	199.7	75	9.72	33.761	3.65	26.068	195.1	0.208
100	9.60	33.899	3.24	1.75	26.	0.00	21.5	174.4	100	9.60	33.899	3.24	26.181	184.4	0.256
129	9.80	34.101	2.21	2.17	32.	0.00	25.0	172.6	125	9.78	34.074	2.36	26.287	174.3	0.302
154	9.78	34.152	2.16	2.25	36.	0.00	26.2	162.3	150	9.47	34.150	2.17	26.398	163.8	0.345
179	8.95	34.156	2.27	2.20	37.	0.00	26.6	156.4	200	8.85	34.204	1.77	26.538	150.5	0.425
213	8.83	34.251	1.41	2.56	44.	0.00	29.3	146.5	250	8.33	34.244	1.36	26.652	139.7	0.500
276	7.94	34.211	1.32	2.68	51.	0.00	31.6	136.6	300	7.81	34.212	1.27	26.704	134.8	0.571
373	7.60	34.234	1.07	2.78	56.	0.00	33.6	130.1	400	7.43	34.244	0.95	26.775	127.0	0.707
470	6.93	34.279	0.64	3.03	66.	0.00	36.7	117.1	500	6.67	34.292	0.56	26.926	113.7	0.835
600	5.94	34.335	0.40	3.02	67.0	0.00	36.7	101.5	600	5.94	34.335	0.40	27.057	101.3	0.950
749	5.74	34.380A	0.29	3.30	93.	0.00	43.0	80.0	700	5.51	34.367	0.30	27.136	93.8	1.056
993	4.74	34.421A	0.41	3.31	107.	0.00	43.0	81.3	800	5.12	34.395	0.33	27.204	87.3	1.155
1098	4.18	34.473	0.42	3.33	123.	0.00	43.0	71.5	1000	4.40	34.450	0.42	27.328	75.6	1.337

A) SALINITY BOTTLE ORDER DIFFERS ON THE ORIGINAL DATA AND SALINITY DETERMINATION SHEETS. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

90045

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
32 54.5 N	118 55.5 W	07/25/72	0154 GMT	1710 M	300	20 KT	D	0	300	05	04				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.13	33.75		24.055	386.7	0.000
									10	19.11	33.75		24.060	386.2	0.039
									20	14.96	33.53		24.669	309.1	0.073
									30	12.06	33.54		25.466	252.3	0.102
									50	9.98	33.74		25.993	202.2	0.147
									75	9.58	33.86		26.154	187.0	0.196
									100	9.20	33.96		26.294	173.7	0.242
									125	8.93	34.01		26.376	165.9	0.285
									150	8.69	34.06		26.452	158.6	0.326
									200	8.15	34.15		26.605	144.1	0.403
									250	7.76	34.16		26.671	137.9	0.476
									300	7.46	34.20		26.746	130.8	0.545
									400	6.93	34.29		26.891	117.0	0.674
									500	6.41	34.32		26.985	108.1	0.794
									600	5.82	34.37		27.099	97.2	0.904
									700	5.40	34.40		27.175	90.1	1.006
									800	4.86	34.43		27.262	81.9	1.100
									1000	4.22	34.50		27.388	69.9	1.270

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

90053

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
32 38.5 N	119 29.0 W	07/24/72	2145 GMT	1295 M	320	18 KT	1	1	320	05	05				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	18.90	33.72		24.090	383.3	0.000
									10	18.66	33.71		24.093	383.1	0.038
									20	14.57	33.27		24.753	320.2	0.074
									30	12.40	33.46		25.339	264.4	0.103
									50	10.47	33.69		25.871	213.9	0.151
									75	9.78	33.81		26.081	193.6	0.202
									100	9.42	33.93		26.234	179.3	0.249
									125	9.08	34.01		26.352	168.2	0.293
									150	8.87	34.05		26.416	162.0	0.335
									200	8.47	34.16		26.565	148.0	0.414
									250	8.16	34.21		26.651	139.8	0.488
									300	7.75	34.21		26.712	134.0	0.559
									400	6.98	34.30		26.892	116.9	0.690
									500	6.41	34.32		26.985	108.1	0.809
									600	5.87	34.35		27.077	99.3	0.920
									700	5.44	34.39		27.162	91.3	1.024
									800	4.97	34.43		27.249	83.1	1.120
									1000	4.19	34.45		27.383	70.4	1.222

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

90060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
32 25.0 N	119 58.0 W	07/24/72	1629 GMT	947 M	310	24 KT	1	1	320	07	04				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	16.82	33.53		24.450	349.0	0.000
									10	16.81	33.53		24.453	348.8	0.035
									20	16.59	33.47		24.456	348.3	0.070
									30	15.11	33.40		24.737	321.7	0.103
									50	13.27	33.34		25.076	289.5	0.165
									75	12.05	33.41		25.367	261.7	0.234
									100	10.73	33.53		25.701	230.0	0.296
									125	10.05	33.65		25.912	210.6	0.352
									150	9.35	33.88		26.207	181.9	0.401
									200	3.96	34.04		26.394	164.1	0.489
									250	8.42	34.19		26.596	145.0	0.569
									300	7.98	34.24		26.701	135.0	0.641
									400	7.45	34.27		26.802	125.4	0.777
									500	6.87	34.32		26.923	114.0	0.904
									600	5.77	34.36		27.098	97.4	1.017
									700	5.25	34.40		27.193	88.4	1.118
									800	4.82	34.44		27.274	80.7	1.211

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

90060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
32 25.0 N	119 58.0 W	07/24/72	1720 GMT	947 M	310	24 KT	1	1	320	07	04				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
2	16.80	33.541	5.84	0.28	3.	0.01	0.0	347.8	0	16.80	33.541	5.84	24.463	347.8	0.000
11	16.78	33.536	5.81	0.27	3.	0.01	0.1	347.7	10	16.78	33.537	5.81	24.464	347.7	0.035
29	15.58	33.483	5.98	0.28	4.	0.00	0.1	325.5	20	16.33	33.515	5.90	24.552	339.3	0.069
47	13.54	33.422	5.83	0.48	4.	0.31	1.5	286.6	30	15.46	33.478	5.98	24.719	323.4	0.102
70	12.47	33.442	5.60	0.70	7.	0.20	5.1	267.7	50	13.36	33.421	5.82	25.120	285.3	0.163
93	11.12	33.534	4.87	1.05	12.	0.02	10.9	236.3	75	12.17	33.458	5.46	25.381	260.4	0.232
138	9.74	33.766	3.81	1.55	22.	0.00	18.9	196.4	100	10.83	33.568	4.69	25.712	228.9	0.294
183	8.96	34.023	2.71	2.07	33.	0.00	24.6	165.4	125	10.02	33.696	4.09	25.952	206.1	0.349
229	8.46	34.172	1.81	2.47	43.	0.00	28.7	146.9	150	9.49	33.839	3.51	26.152	187.1	0.399
274	7.94	34.226	1.21	2.68	51.	0.00	32.0	135.5	200	8.76	34.091	2.35	26.465	157.4	0.486
366	7.67	34.256	1.25	2.81	58.	0.00	33.3	129.5	250	8.20	34.204	1.49	26.640	140.8	0.563
459	7.14	34.299	0.97	2.98	65.	0.00	35.8	119.1	300	7.82	34.240	1.22	26.725	132.8	0.634
553	6.12	34.323	0.62	3.14	80.	0.00	38.6	104.3	400	7.52	34.273	1.17	26.794	126.2	0.770</

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 90070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 4.5 N	120 38.5 W	07/24/72	1121 GMT		3737 M	320	19 KT	2	290 05 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.47	33.54		24.304	362.9	0.000
									10	17.45	33.54		24.309	362.5	0.036
									20	17.45	33.54		24.309	362.5	0.073
									30	17.13	33.51		24.362	357.4	0.109
									50	13.97	33.24		24.856	310.4	0.176
									75	12.46	33.29		25.196	278.0	0.250
									100	11.41	33.39		25.471	251.9	0.316
									125	10.51	33.55		25.755	224.9	0.377
									150	10.02	33.69		25.948	206.6	0.431
									200	9.07	34.01		26.352	168.0	0.527
									250	8.07	34.06		26.547	149.6	0.608
									300	7.52	34.13		26.682	136.8	0.692
									400	6.85	34.24		26.865	119.4	0.815
									500	5.57	34.28		27.022	104.5	0.934
									600	5.48	34.36		27.134	94.0	1.040
									700	4.98	34.41		27.232	84.7	1.137
									800	4.68	34.45		27.298	78.4	1.227
									1000	3.97	34.51		27.422	66.7	1.359

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 90080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 44.0 N	121 20.0 W	07/24/72	0547 GMT		3545 M	340	19 KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.74	33.51		24.217	371.3	0.000
									10	17.72	33.51		24.221	370.8	0.037
									20	17.72	33.52		24.229	370.1	0.074
									30	17.53	33.53		24.283	365.0	0.111
									50	14.88	33.46		24.833	312.6	0.179
									75	12.44	33.41		25.293	268.8	0.252
									100	11.05	33.44		25.574	242.0	0.316
									125	9.95	33.50		25.812	219.5	0.375
									150	9.41	33.71		26.064	195.5	0.427
									200	8.66	33.95		26.371	166.3	0.519
									250	7.85	34.03		26.556	148.8	0.600
									300	7.21	34.06		26.671	137.8	0.674
									400	6.09	34.15		26.892	116.9	0.806
									500	5.56	34.24		27.029	103.9	0.923
									600	5.05	34.32		27.153	92.2	1.027
									700	4.83	34.40		27.241	83.8	1.122
									800	4.46	34.45		27.322	76.1	1.210
									1000	3.85	34.52		27.442	64.8	1.368

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 90080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 44.0 N	121 20.0 W	07/24/72	0643 GMT		3545 M	340	19 KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	17.70	33.529	5.43	0.30	2.	0.00	0.1	369.0	0	17.70	33.529	5.43	24.241	369.0	0.000
11	17.70	33.526	4.470	0.30	2.	0.00	0.1	369.2	10	17.70	33.527	5.54	24.239	369.2	0.037
31	16.68	33.527	5.300	0.28	3.			346.1	20	17.70	33.526	5.65	24.238	369.2	0.074
54	13.65	33.372	6.05	0.38	3.	0.00	0.0	294.4	30	16.68	33.527	5.77	24.481	346.1	0.110
68	12.42	33.426	4.96	0.60	6.	0.21	3.6	267.3	50	14.13	33.394	6.00	24.940	302.3	0.175
82	11.75	33.445	4.99	0.99	8.	0.03	8.0	253.8	75	12.05	33.439	4.97	25.388	259.7	0.245
96	11.01	33.466	4.86	1.06	11.	0.01	10.9	239.4	100	10.77	33.483	4.78	25.658	234.1	0.308
125	9.56	33.617	4.10	1.48	20.	0.01	17.9	204.7	125	9.56	33.617	4.10	25.967	204.7	0.363
146	9.36	33.713	3.82	1.60	23.	0.01	19.8	194.5	150	9.34	33.726	3.77	26.089	193.1	0.413
172	9.10	33.890	3.13	1.81	28.	0.01	22.6	177.4	200	8.47	33.977	2.53	26.421	161.6	0.504
205	8.35	33.984	2.45	2.01	76.	0.00	25.0	159.3	250	7.69	34.043	1.99	26.590	145.6	0.593
266	7.50	34.051	1.89	2.38	46.	0.00	30.2	142.4	300	7.00	34.062	1.63	26.701	135.0	0.655
361	6.25	34.080	1.22	2.78	66.	0.00	37.1	124.1	400	6.01	34.120	0.93	26.878	118.2	0.786
457	5.78	34.185	0.59	3.09	79.	0.00	37.9	110.6	500	5.52	34.224	0.51	27.020	104.8	0.904
584	5.07	34.292	0.38	3.24	96.	0.00	41.1	94.5	600	5.02	34.306	0.38	27.145	92.9	1.009
731	4.71	34.402	0.35	3.36	106.	0.00	43.5	82.3	700	4.77	34.362	0.36	27.234	84.5	1.105
876	4.25	34.456	0.48	3.35	124.	0.00	42.4	73.5	800	4.49	34.432	0.40	27.304	77.8	1.194
1083	3.67	34.496	0.69	3.30	131.	0.00	46.1	64.9	1000	3.89	34.485	0.60	27.410	67.8	1.356

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 90090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 25.0 N	122 0.0 W	07/24/72	0022 GMT		4116 M	340	21 KT	1	340 06 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.93	33.60		24.239	369.1	0.000
									10	17.92	33.60		24.242	368.9	0.037
									20	17.61	33.57		24.294	363.9	0.074
									30	17.18	33.55		24.381	355.6	0.110
									50	15.39	33.51		24.760	319.5	0.177
									75	11.26	33.43		25.529	246.4	0.249
									100	10.03	33.63		25.906	211.1	0.306
									125	9.44	33.77		26.098	192.2	0.357
									150	7.99	33.86		26.233	179.4	0.404
									200	8.21	34.00		26.479	156.1	0.490
									250	7.49	34.04		26.618	142.9	0.566
									300	6.91	34.07		26.721	133.1	0.638
									400	6.02	34.15		26.901	116.1	0.767
									500	5.44	34.27		27.067	100.3	0.881
									600	5.05	34.36		27.184	89.2	0.982
									700	4.67	34.42		27.275	80.6	1.074
									800	4.32	34.46		27.345	73.9	1.150
									1000	3.73	34.52		27.454	63.6	1.315

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

94030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 43.0 N	117 27.0 W	07/06/72	0402 GMT		593 M	140	02 KT	1	360 02 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0A	19.24	33.54	23.867	404.6	0.000	
									10	15.84	33.40	24.575	337.1	0.037	
									20	13.16	33.43	25.167	280.8	0.068	
									30	12.02	33.37	25.342	264.1	0.095	
									50	10.85	33.56	25.703	229.8	0.145	
									75	9.91	33.72	25.990	202.6	0.199	
									100	9.75	33.97	26.211	181.5	0.248	
									125	9.72	34.02	26.255	177.4	0.293	
									150	9.76	34.09	26.303	172.8	0.338	
									200	9.57	34.24	26.451	158.7	0.422	
									250	9.49	34.52	26.527	151.5	0.502	
									300	8.86	34.54	26.645	140.4	0.578	
									400	8.02	34.32	26.758	129.6	0.719	
									500	6.70	34.33	26.954	111.1	0.847	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

94030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 43.0 N	117 27.0 W	07/06/72	0526 GMT		593 M	140	02 KT	1	360 02 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									1A	19.09	33.588	23.942	397.5	0.000	
									11	14.43	33.528	24.774	318.2	0.036	
									21	12.66	33.453	25.253	272.6	0.065	
									31	11.66	33.494	25.487	250.3	0.092	
									42	11.14	33.521	25.714	228.7	0.140	
									52	10.75	33.582	25.992	203.2	0.194	
									62	10.25	33.616	26.205	182.1	0.243	
									73	9.99	33.704	26.234	179.3	0.288	
									83	9.80	33.787	26.322	171.0	0.333	
									93	9.75	33.921				
									104	9.73	33.969				
									114	9.72	33.986				
									124	9.74	33.995				
									134	9.71	34.024				
									143	9.75	34.073				
									152	9.75	34.123				
									161	9.65	34.140				
									170	9.76	34.174				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

100029

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 42.0 N	116 43.5 W	07/22/72	0207 GMT		108 M	320	11 KT	0	290 02 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	14.81	33.51	24.886	307.5	0.000	
									10	13.26	33.45	25.163	281.2	0.029	
									20	11.68	33.56	25.553	244.1	0.056	
									30	11.15	33.56	25.649	234.9	0.080	
									50	10.60	33.65	25.817	219.0	0.125	
									75	10.41	33.73	25.912	209.7	0.179	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

100030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 40.5 N	116 46.5 W	07/22/72	0317 GMT		436 M	330	15 KT	0	330 03 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	18.85	33.65	24.050	387.2	0.000	
									10	12.90	33.20	25.041	292.7	0.034	
									20	11.41	33.28	25.385	260.0	0.062	
									30	10.99	33.41	25.562	243.2	0.087	
									50	10.67	33.59	25.758	224.6	0.134	
									75	10.32	33.73	25.928	208.4	0.188	
									100	10.24	33.80	25.996	202.0	0.240	
									125	10.11	33.98	26.158	186.6	0.289	
									150	10.02	34.14	26.298	175.3	0.335	
									200	9.93	34.27	26.414	162.2	0.421	
									250	9.83	34.35	26.494	154.7	0.502	
									300	9.59	34.39	26.565	147.9	0.581	

A) A SHAKEDOWN STATION.

RV DAVID STARR JORDAN

CALECOFI CRUISE 7207

100030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 40.5 N	116 46.5 W	07/22/72	0400 GMT		436 M	330	15 KT	0	330 03 03						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
1	18.54	33.622	6.64	0.10	6.	0.03	0.1	381.8	0	18.54	33.622	6.64	24.106	381.8	0.000
11	13.28	33.497	5.65	0.41	8.	0.02	0.1	278.1	10	13.68	33.497	5.73	25.114	285.9	0.033
30	11.04	33.422	5.19	0.98	11.	0.06	9.5	243.2	20	12.22	33.454	5.32	25.369	261.6	0.061
44	10.72	33.522	4.80	1.13	13.	0.03	11.7	230.4	30	11.04	33.422	5.19	25.562	243.2	0.086
59	10.47	33.609	4.32	1.26	16.	0.02	13.9	219.8	50	10.61	33.558	4.61	25.744	225.9	0.133
74	10.35	33.699	3.88	1.48	20.	0.03	16.1	211.2	75	10.35	33.703	3.87	25.902	210.9	0.188
88	10.29	33.747	3.68	1.56	21.	0.01	17.3	206.7	100	10.19	33.825	3.31	26.023	199.4	0.240
108	10.13	33.882	3.04	1.82	25.	0.01	20.1	194.1	125	10.07	33.974	2.68	26.159	186.4	0.289
133	10.06	34.011	2.54	2.02	30.	0.01	22.4	183.5	150	10.01	34.083	2.24	26.255	177.4	0.335
163	9.98	34.131	2.03	2.28	33.	0.01	26.6	173.3	200	9.96	34.250	1.56	26.394	164.2	0.422
197	9.97	34.246	1.58	2.43	36.	0.01	26.1	164.6	250	9.80	34.303	1.24	26.465	157.6	0.505
232	9.82	34.276	1.58	2.51	39.	0.01	26.9	160.0	300	9.58	34.353	0.96	26.538	150.5	0.585
270	9.76	34.332	1.10	2.58	41.	0.01	28.0	154.9							
312	9.48	34.357	0.92	2.76	44.	0.01	28.9	142.6							
349	9.15	34.368	0.80	2.78	48.	0.01	28.7	142.7							

RV DAVID STARR JORDAN

CALECOFI CRUISE 7207

100035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 30.5 N	117 7.0 W	07/22/72	D636 6MT		1202 M	320	12 KT	0	320 02 03						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
0	19.60	33.65							23.859	405.4	0.000				
10	19.52	33.64							23.572	404.2	0.040				
20	19.35	33.60							23.885	402.9	0.081				
30	16.38	33.32							24.392	354.6	0.119				
50	13.46	33.28							24.991	297.5	0.184				
75	11.16	33.47							25.578	241.7	0.252				
100	10.25	33.61							25.845	216.3	0.310				
125	9.99	33.79							26.031	198.7	0.362				
150	9.93	34.08							26.267	176.3	0.410				
200	9.52	34.27							26.483	155.7	0.495				
250	9.56	34.37							26.554	146.0	0.573				
300	9.24	34.41							26.638	141.0	0.648				
400	7.81	34.32							26.789	126.7	0.789				
500	7.06	34.38							26.941	112.3	0.915				
600	6.61	34.38							27.005	105.7	1.033				
700	5.74	34.40							27.133	94.0	1.142				
800	5.13	34.43							27.231	84.8	1.240				
1000	4.31	34.50							27.378	70.9	1.415				

RV DAVID STARR JORDAN

CALECOFI CRUISE 7207

100040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 21.5 N	117 27.0 W	07/22/72	0923 GMT		2037 M	320	09 KT	0	320 02 03						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD
0	19.27	33.61							23.913	400.3	0.000				
10	19.13	33.58							23.926	399.0	0.040				
20	17.21	33.34							24.214	371.6	0.079				
30	14.47	33.31							24.805	315.2	0.113				
50	12.72	33.32							25.169	280.6	0.173				
75	11.34	33.50							25.569	242.6	0.239				
100	10.03	33.66							25.923	208.9	0.295				
125	9.77	33.87							26.130	189.2	0.346				
150	10.14	34.11							26.254	177.4	0.392				
200	10.08	34.33							26.436	160.2	0.479				
250	9.79	34.44							26.571	147.4	0.558				
300	9.39	34.43							26.629	141.2	0.633				
400	8.30	34.39							26.771	129.4	0.775				
500	7.10	34.35							26.914	114.8	0.904				
600	6.43	34.38							27.029	103.9	1.021				
700	5.70	34.41							27.146	92.5	1.129				
800	5.16	34.42							27.219	85.9	1.227				
1000	4.43	34.49							27.357	72.8	1.405				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

100040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 21.5 N	117 27.0 W	07/22/72	1013 GMT		2037 M	320	00 KT								
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	19.25	33.602	4.340	0.22	2.	0.00	0.1	400.4	0	19.25	33.602	23.912	400.4	0.000	
11	19.25	33.602	4.000	0.28	2.	0.00	0.0	400.4	10	19.25	33.602	23.912	400.4	0.040	
31	15.33	33.391	4.450	0.34	2.	0.00	0.0	327.0	26	17.73	33.499	24.210	321.9	0.079	
56	12.26	33.364	5.47	0.53	4.	0.04	2.4	268.9	30	15.57	33.399	24.634	331.5	0.114	
70	11.42	33.419	4.63	0.84	9.	0.11	7.6	249.9	50	12.81	33.356	25.178	279.7	0.175	
85	10.49	33.549A	4.08	1.22	14.	0.02	13.6	224.6	75	11.08	33.459	4.42	25.583	241.2	0.261
100	10.08	33.670A	3.64	1.50	18.	0.01	17.0	209.0	100	10.08	33.670	3.64	25.922	209.0	0.298
129	9.61	33.224	3.49	1.56	23.	0.01	18.9	190.1	125	9.64	33.803	3.51	26.099	192.2	0.348
153	9.81	34.038	2.62	1.98	29.	0.00	22.9	177.5	150	9.77	34.010	2.75	26.239	178.9	0.395
178	10.00	34.215	1.69	2.32	34.	0.00	25.9	167.4	200	10.03	34.308	1.23	26.428	161.0	0.482
212	10.04	34.350	1.07	2.57	39.	0.00	27.4	158.1	250	9.87	34.425	0.75	26.545	149.8	0.562
272	9.72	34.439	0.67	2.76	43.	0.00	28.5	146.4	300	9.55	34.438	0.62	26.609	143.8	0.638
367	8.95	34.432	0.51	2.90	49.	0.00	30.7	134.9	400	8.43	34.405	0.51	26.762	129.3	0.792
460	7.49	34.360	0.52	3.11	64.	0.00	35.1	119.3	500	7.15	34.358	0.48	26.914	114.8	0.911
585	6.62	34.371	0.37	3.25	73.	0.00	37.7	107.0	600	6.50	34.373	0.36	27.014	105.3	1.030
729	5.55	34.396	0.31	3.28	90.	0.00	40.8	92.1	700	5.75	34.390	0.32	27.124	95.0	1.139
870	4.88	34.423	0.40	3.51	103.	0.00	44.0	82.6	800	5.18	34.409	0.35	27.208	86.9	1.239
1075	4.20	34.474	0.55	3.43	117.	0.00	45.5	71.7	1000	4.41	34.454	0.49	27.331	75.3	1.420

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

100050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 0.5 N	118 7.0 W	07/22/72	1447 GMT		2042 M	340	18 KT	2	340 04 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	18.69	33.556			24.021	389.9	0.000								
10	18.69	33.556			24.021	389.9	0.039								
20	17.24	33.335			24.214	371.5	0.077								
30	15.46	33.24			24.537	340.7	0.113								
50	14.01	33.26			24.863	309.7	0.178								
75	12.82	33.27			25.111	286.1	0.253								
100	11.58	33.31			25.377	260.8	0.322								
125	10.54	33.54			25.742	226.1	0.393								
150	9.87	33.76			26.028	199.0	0.437								
200	8.84	33.97			26.359	167.5	0.530								
250	7.94	34.00			26.519	152.3	0.612								
300	7.15	34.05			26.672	137.8	0.687								
400	6.10	34.15			26.891	117.0	0.820								
500	5.79	34.28			27.032	103.6	0.936								
600	5.47	34.37			27.143	93.2	1.041								
700	5.05	34.42			27.234	84.5	1.137								
800	4.75	34.47			27.306	77.7	1.227								
1000	4.11	34.51			27.407	68.1	1.391								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

100060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 40.0 N	118 48.0 W	07/22/72	2007 GMT		2980 M	310	18 KT	2	320 04 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	18.64	33.639	5.59	0.28	2.	0.00	0.1	383.0	0	18.64	33.639	5.59	24.094	383.0	0.000
11	18.58	33.656	5.60	0.19	2.	0.00	0.0	381.6	10	18.59	33.636	5.60	24.107	381.8	0.038
31	15.56	33.590	5.79	0.29	5.	0.00	0.6	317.3	20	17.47	33.615	5.69	24.362	357.4	0.075
56	11.63	33.546	4.18	0.98	11.	0.03	6.6	244.3	30	15.76	33.592	5.74	24.740	321.4	0.109
71	10.68	33.639	3.97	1.33	17.	0.01	13.8	221.1	50	12.45	33.540	4.59	25.391	259.4	0.168
86	9.91	33.720	3.80	1.55	21.	0.01	17.6	202.6	75	10.45	33.663	3.92	25.854	215.4	0.227
101	9.56	33.761	3.78	1.65	22.	0.01	19.5	194.0	100	9.58	33.759	3.78	26.075	194.4	0.279
131	8.93	33.914	3.73	1.78	28.	0.01	22.2	173.0	125	9.04	33.882	3.74	26.259	177.0	0.326
155	8.72	33.993	3.54	1.95	33.	0.00	24.4	164.0	150	8.75	33.980	3.59	26.380	165.5	0.369
180	8.55	34.037A	3.09	2.07	36.	0.00	25.9	158.3	200	8.49	34.104	2.85	26.517	152.5	0.450
215	8.42	34.149A	2.69	2.40	45.	0.00	29.5	148.1	250	7.77	34.153	2.26	26.649	140.0	0.526
278	7.20	34.103	1.96	2.63	56.	0.00	33.2	134.5	300	7.16	34.147	1.89	26.747	130.6	0.595
376	7.00	34.269	1.73	3.02	66.	0.00	36.4	119.5	400	6.88	34.286	1.50	26.894	116.7	0.724
474	6.44	34.317A	0.75	3.20	77.	0.00	36.6	108.7	500	6.26	34.330	0.69	27.012	105.6	0.842
605	5.55	34.378A	0.44	3.36	93.	0.00	41.6	93.5	600	5.58	34.376	0.45	27.133	94.0	0.949
755	4.87	34.427	0.37	3.37	105.	0.00	42.8	82.2	700	5.10	34.411	0.40	27.220	85.9	1.047
900	4.26	34.469	0.53	3.39	117.	0.00	44.0	72.7	800	4.67	34.441	0.41	27.292	79.0	1.137
1105	3.63	34.514	0.77	3.36	132.	0.00	44.0	63.1	1000	3.92	34.494	0.65	27.414	67.4	1.301

*) SALINITY BOTTLE ORDER DIFFERS ON THE ORIGINAL DATA AND SALINITY DETERMINATION SHEETS. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 100060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 40.0 N	118 48.0 W	07/22/72	2123 GMT	2980 M	310	18 KT	2	2	320 04 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	18.72	33.66							0	18.72	33.67		24.090	383.4	0.000
10	18.64	33.67							10	18.64	33.67		24.118	380.7	0.038
20	17.70	33.65							20	17.70	33.65		24.333	360.2	0.075
30	15.07	33.60							30	15.07	33.60		24.899	306.3	0.109
50	11.72	33.47							50	11.72	33.47		25.475	251.4	0.165
75	10.47	33.72							75	10.47	33.72		25.905	210.6	0.223
100	9.50	33.79							100	9.50	33.79		26.112	193.9	0.273
125	9.00	33.91							125	9.00	33.91		26.286	174.4	0.320
150	8.67	33.99							150	8.67	33.99		26.401	163.5	0.363
200	8.56	34.14							200	8.56	34.14		26.535	150.8	0.443
250	7.67	34.13							250	7.67	34.13		26.661	138.8	0.517
300	7.45	34.24							300	7.45	34.24		26.779	127.6	0.588
400	6.76	34.30							400	6.76	34.30		26.922	114.1	0.712
500	6.22	34.37							500	6.22	34.37		27.049	102.1	0.977
600	5.55	34.41							600	5.55	34.41		27.164	91.1	0.931
700	4.98	34.44							700	4.98	34.44		27.256	82.4	1.025
800	4.60	34.47							800	4.60	34.47		27.323	76.1	1.112
1000	4.05	34.52							1000	4.05	34.52		27.421	66.7	1.273

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 100070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 20.5 N	119 27.5 W	07/23/72	0136 GMT	3920 M	330	20 KT	2	2	330 05 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	18.34	33.59							0	18.34	33.59		24.131	379.4	0.000
10	18.32	33.58							10	18.32	33.58		24.128	379.7	0.038
20	17.00	33.43							20	17.00	33.43		24.332	360.3	0.075
30	16.01	33.35							30	16.01	33.35		24.459	344.4	0.110
50	14.51	33.25							50	14.51	33.25		24.751	320.4	0.177
75	12.48	33.27							75	12.48	33.27		25.177	279.2	0.252
100	11.38	33.40							100	11.38	33.40		25.484	250.6	0.319
125	9.93	33.52							125	9.93	33.52		25.831	217.7	0.378
150	9.60	33.80							150	9.60	33.80		26.104	191.7	0.430
200	8.85	34.01							200	8.85	34.01		26.391	164.4	0.521
250	7.87	34.02							250	7.87	34.02		26.545	149.2	0.602
300	7.11	34.05							300	7.11	34.05		26.677	137.3	0.675
400	6.12	34.15							400	6.12	34.15		26.888	117.5	0.806
500	5.65	34.23							500	5.65	34.23		27.010	105.7	0.925
600	5.16	34.30							600	5.16	34.30		27.124	94.9	1.032
700	4.72	34.37							700	4.72	34.37		27.230	84.9	1.129
800	4.42	34.44							800	4.42	34.44		27.319	76.5	1.217
1000	3.89	34.52							1000	3.89	34.52		27.438	65.2	1.376

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 100080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 0.0 N	120 7.0 W	07/23/72	0612 GMT	4116 M	330	18 KT	2	2	330 04 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	18.82	33.62							0	18.82	33.62		24.034	388.7	0.000
10	18.81	33.62							10	18.81	33.62		24.037	388.4	0.039
20	18.66	33.58							20	18.66	33.58		24.044	387.2	0.078
30	18.15	33.56							30	18.15	33.56		24.155	377.2	0.116
50	16.27	33.59							50	16.27	33.59		24.624	352.5	0.187
75	14.96	33.51							75	14.96	33.51		24.854	310.6	0.288
100	13.59	33.49							100	13.59	33.49		25.126	284.6	0.343
125	11.89	33.45							125	11.89	33.45		25.426	255.9	0.411
150	10.81	33.69							150	10.81	33.69		25.811	219.5	0.472
200	10.30	34.06							200	10.30	34.06		26.188	183.7	0.574
250	9.55	34.23							250	9.55	34.23		26.447	159.1	0.662
300	8.97	34.29							300	8.97	34.29		26.588	145.7	0.741
400	7.98	34.33							400	7.98	34.33		26.772	126.3	0.885
500	6.92	34.36							500	6.92	34.36		26.947	111.7	1.012
600	6.11	34.38							600	6.11	34.38		27.071	100.0	1.126
700	5.54	34.41							700	5.54	34.41		27.166	91.0	1.230
800	5.07	34.45							800	5.07	34.45		27.253	82.7	1.325
1000	4.27	34.49							1000	4.27	34.49		27.374	71.2	1.498

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 100080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 0.0 N	120 7.0 W	07/23/72	0705 GMT	4116 M	330	18 KT	2	2	330 04 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	18.74	33.615	5.54	0.26	2.	0.01	0.0	37.1	0	18.74	33.615	5.54	24.050	387.1	0.000
10	18.77	33.611	5.60	0.23	2.	0.00	0.0	37.1	10	18.77	33.611	5.60	24.040	388.1	0.039
29	17.89	33.577	5.73	0.22	3.	0.00	0.1	369.9	20	18.43	33.594	5.66	24.111	381.3	0.077
53	15.71	33.592	5.97	0.21	3.	0.00	0.0	370.3	30	17.79	33.578	5.74	24.255	367.6	0.115
88	15.28	33.540	5.99	0.24	2.	0.00	0.0	315.0	50	15.96	33.590	5.94	24.693	325.3	0.184
82	14.71	33.535	5.92	0.24	3.	0.00	0.0	313.8	75	15.02	33.535	5.97	24.860	310.0	0.264
97	13.85	33.531	5.74	0.30	3.	0.05	0.2	266.7	100	13.71	33.529	5.71	25.131	284.2	0.339
125	12.56	33.515	5.40	0.55	5.	0.02	4.0	263.3	125	12.56	33.515	5.40	25.351	263.3	0.408
149	11.15	33.562	5.00	0.83	10.	0.02	6.3	234.7	150	11.11	33.570	4.98	25.664	233.5	0.471
173	10.39	33.764	3.84	1.39	19.	0.01	16.1	207.1	200	10.30	33.987	2.73	26.130	189.2	0.579
207	10.28	34.027	2.50	1.95	27.	0.00	22.7	185.8	250	9.69	34.195	1.84	26.396	164.0	0.569
268	9.39	34.231	1.73	2.37	40.	0.00	27.0	156.6	300	8.99	34.277	1.40	26.574	147.1	0.750
363	8.26	34.306	0.91	2.80	52.	0.01	31.4	134.4	400	7.88	34.314	0.74	26.773	128.2	0.894
456	7.32	34.318	0.56	2.97	63.	0.00	35.1	120.1	500	6.90	34.328	0.44	26.924	113.8	1.022
583	6.21	34.353	0.30	3.15	60.	0.00	36.5	103.2	600	6.09	34.359	0.30	27.057	101.3	1.138
730	5.34	34.406	0.30	3.30	92.	0.00	41.3	89.0	700	5.49	34.396	0.30	27.161	91.4	1.242
874	4.71	34.435	0.44	3.29	106.	0.00	44.5	79.5	800	5.01	34.421	0.36	27.237	84.2	1.339
1081	3.96	34.485	0.60	3.29	123.	0.00	44.5	68.3	1000	4.23	34.466	0.54	27.359	72.6	1.514

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 100090

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 40.5 N	120 47.0 W	07/23/72	1144 GMT		4021 M	340	20 KT		340 04 04						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.49	33.80		24.001	391.8	0.000
									10	19.41	33.81		24.029	389.2	0.039
									20	19.40	33.81		24.032	388.9	0.078
									30	18.73	33.84		24.225	370.5	0.116
									50	17.21	33.71		24.496	344.6	0.188
									75	14.34	33.47		24.956	300.9	0.269
									100	12.39	33.49		25.364	262.0	0.340
									125	11.04	33.63		25.724	227.8	0.402
									150	10.29	33.83		26.011	200.6	0.456
									200	9.56	34.09		26.336	169.6	0.550
									250	9.28	34.27		26.522	152.0	0.633
									300	8.75	34.30		26.631	141.7	0.709
									400	7.67	34.35		26.833	122.5	0.847
									500	6.70	34.36		26.977	108.8	0.970
									600	5.93	34.40		27.109	96.3	1.080
									700	5.36	34.43		27.203	87.4	1.180
									800	4.87	34.45		27.276	80.5	1.273
									1000	4.10	34.51		27.408	68.0	1.440

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 103030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 6.0 N	116 24.5 W	07/21/72	1831 GMT		67 M	310	12 KT	1	320 03 04						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	16.52	33.50		24.497	344.6	0.000
									10	15.02	33.18		24.587	335.9	0.034
									20	13.51	33.31		25.004	296.3	0.066
									30	12.28	33.30		25.238	274.0	0.094
									50	10.96	33.51		25.645	235.3	0.145

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 103U35

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 55.5 N	116 45.0 W	07/21/72	1103 GMT		1756 M	330	11 KT	2	490 04						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.59	33.66		23.869	404.4	0.000
									10	19.56	33.66		23.877	403.7	0.040
									20	18.21	33.59		24.163	376.4	0.079
									30	17.18	33.49		24.335	360.0	0.116
									50	13.79	33.28		24.924	303.9	0.183
									75	12.89	33.27		25.097	287.4	0.257
									100	11.33	33.33		25.439	254.9	0.326
									125	10.53	33.52		25.728	227.4	0.387
									150	9.70	33.73		26.033	198.5	0.440
									200	8.82	33.93		26.331	170.2	0.534
									250	8.13	33.98		26.475	156.4	0.618
									300	8.20	34.18		26.621	142.6	0.695
									400	7.34	34.25		26.802	125.4	0.835
									500	6.89	34.35		26.944	112.0	0.961
									600	5.96	34.36		27.074	99.6	1.074
									700	5.43	34.41		27.179	89.7	1.177
									800	4.96	34.44		27.256	82.2	1.272
									1000	4.27	34.50		27.382	70.4	1.443

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 103035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 55.5 N	116 45.0 W	07/21/72	1144 1227 GMT		1756 M	330	11 KT	2	490 04						
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.62	33.654	5.46	23.857	405.6	0.000
									10	19.60	33.650	5.48	23.859	405.4	0.041
									30	17.00	33.477	5.29	23.573	385.1	0.080
									54	13.60	33.282	6.29	23.573	356.9	0.117
									69	13.02	33.289	6.22	23.442	307.8	0.184
									84	12.35	33.376	5.80	23.325	281.0	0.258
									100	11.54	33.369	5.54	25.430	255.7	0.326
									129	10.50	33.511	4.76	25.430	231.6	0.387
									155	9.75	33.688	4.21	25.684	207.0	0.443
									180	9.25	33.827	3.88	25.943	172.3	0.539
									214	8.61	33.954	3.59	26.308	154.6	0.623
									279	8.24	34.099	2.36	26.495	144.5	0.700
									376	7.48	34.217	1.10	26.601	125.8	0.841
									467A	7.29	34.366	0.41	26.798	111.7	0.967
									595A	5.89	34.334	0.39	26.947	100.3	1.081
									743A	5.16	34.387	0.35	27.068	91.5	1.185
									888A	4.60	34.436	0.42	27.160	84.3	1.281
									1096A	3.86	34.492	0.68	27.236	72.0	1.456
													34.469	0.54	27.366

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RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

103040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 45.5 N	117 4.0 W	07/21/72	0753 GMT		1763 M	310	10 KT	2							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
										0	18.92	33.49	23.910	400.5	0.000
										10	18.64	33.46	23.958	396.0	0.040
										20	17.66	33.43	24.175	375.3	0.078
										30	15.79	33.32	24.525	341.9	0.114
										50	14.66	33.28	24.742	321.3	0.181
										75	13.16	33.29	25.059	291.0	0.258
										100	12.24	33.33	25.269	271.0	0.329
										125	11.12	33.41	25.539	245.4	0.394
										150	10.40	33.57	25.790	221.6	0.453
										200	8.95	33.92	26.302	172.9	0.553
										250	8.13	33.99	26.483	155.7	0.637
										300	7.47	34.03	26.611	143.6	0.715
										400	6.54	34.11	26.802	125.4	0.854
										500	6.09	34.25	26.971	109.4	0.978
										600	6.02	34.40	27.098	97.4	1.089
										700	5.41	34.42	27.189	88.7	1.190
										800	4.99	34.45	27.262	81.8	1.284
										1000	4.19	34.50	27.391	69.6	1.454

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

103050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 26.0 N	117 44.5 W	07/21/72	0228 GMT		3263 M	320	16 KT	2							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
										0	19.23	33.49	23.832	408.0	0.000
										10	18.93	33.42	23.854	405.8	0.041
										20	18.12	33.44	24.071	385.2	0.080
										30	17.33	33.49	24.300	365.4	0.118
										50	15.49	33.31	24.584	336.2	0.138
										75	13.80	33.31	24.945	301.9	0.268
										100	12.83	33.35	25.171	280.4	0.342
										125	11.97	33.38	25.359	262.5	0.410
										150	11.00	33.46	25.599	239.7	0.474
										200	9.46	33.84	26.158	186.6	0.582
										250	8.49	34.00	26.436	160.1	0.671
										300	7.65	34.04	26.553	145.3	0.750
										400	6.38	34.13	26.829	122.0	0.888
										500	5.55	34.23	26.985	108.1	1.009
										600	5.40	34.34	27.127	94.6	1.118
										700	5.07	34.41	27.222	85.7	1.215
										800	4.71	34.45	27.294	78.8	1.306
										1000	4.01	34.51	27.418	67.1	1.469

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

103060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 5.5 N	118 24.0 W	07/20/72	2121 GMT		3451 M	320	12 KT	2							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
										0	18.56	33.48	23.993	392.6	0.000
										10	18.43	33.48	24.025	389.6	0.039
										20	17.44	33.45	24.243	368.2	0.077
										30	16.06	33.35	24.472	346.9	0.113
										50	15.06	33.35	24.709	324.3	0.180
										75	13.55	33.30	24.988	297.8	0.258
										100	12.23	33.35	25.287	269.4	0.330
										125	10.84	33.36	25.549	244.4	0.395
										150	10.37	33.58	25.802	220.3	0.454
										200	9.00	33.92	26.294	173.6	0.554
										250	8.02	34.02	26.523	151.9	0.637
										300	7.67	34.15	26.676	137.4	0.712
										400	6.31	34.12	26.840	121.3	0.847
										500	5.63	34.22	27.005	106.2	0.967
										600	5.21	34.33	27.142	93.2	1.073
										700	4.94	34.41	27.237	84.2	1.169
										800	4.62	34.46	27.312	77.1	1.258
										1000	4.01	34.51	27.418	67.1	1.419

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

103060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 5.5 N	118 24.0 W	07/20/72	2159 GMT		3451 M	320	12 KT	2							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
										0	18.58	33.471	23.981	393.9	0.000
										10	18.45	33.468	24.011	390.9	0.039
										30	15.95	33.318	24.171	370.6	0.077
										55	14.55	33.429	24.300	345.4	0.113
										70	13.62	33.277	24.424	313.4	0.179
										85	12.83	33.295	24.584	295.7	0.256
										100	12.19	33.305	24.720	272.0	0.327
										129	10.58	33.345	24.781	245.6	0.393
										154	10.12	33.582	24.807	219.9	0.452
										180	9.53	33.720	24.831	197.6	0.553
										214	8.83	33.946	24.862	179.6	0.640
										278	7.71	34.018	24.887	157.4	0.718
										375	6.44	34.088	24.911	145.5	0.856
										472	5.71	34.192	24.947	120.9	0.975
										603	5.17	34.313	25.000	94.3	1.082
										753	4.71	34.406	25.021	85.7	1.179
										899	4.30	34.455	25.050	77.1	1.269
										1107	3.68	34.506	25.073	69.1	1.435

RV DAVID STARR JORDAN CALCOFT CRUISE 7207 103070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 46.0 N	119 4.0 W	07/20/72	1611 GMT		3263 M	340	10 KT	2	330 01 02
Z T S	02 P04 SI03	N02 N03	DT	Z T S	02	SIGT	DT	DD	
0 18.25 33.38	23.993 392.6 0.000								
10 18.03 33.35	24.024 389.6 0.039								
20 17.58 33.33	24.118 380.7 0.078								
30 16.94 33.29	24.239 369.2 0.115								
50 15.64 33.25	24.505 343.8 0.187								
75 13.85 33.32	24.936 302.7 0.268								
100 12.77 33.35	25.182 279.3 0.341								
125 11.78 33.42	25.425 256.2 0.409								
150 11.03 33.49	25.617 238.0 0.471								
200 9.81 33.88	26.131 189.1 0.580								
250 8.44 33.98	26.428 160.9 0.670								
300 7.65 34.01	26.570 147.5 0.749								
400 6.40 34.14	26.844 121.5 0.889								
500 6.09 34.26	26.979 108.7 1.010								
600 5.75 34.39	27.124 94.9 1.119								
700 5.27 34.43	27.214 86.4 1.218								
800 4.73 34.46	27.300 78.2 1.309								
1000 3.99 34.52	27.428 66.1 1.471								

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 103080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
29 28.5 N	119 43.5 W	07/20/72	1012 GMT		3926 M	310	12 KT	2	300 01 04
Z T S	02 P04 SI03	N02 N03	DT	Z T S	02	SIGT	DT	DD	
0 19.33 33.65	23.928 398.8 0.000								
10 19.30 33.64	23.928 398.2 0.040								
20 18.61 33.65	24.110 381.5 0.079								
30 18.50 33.51	24.259 367.2 0.116								
50 17.02 33.74	24.564 338.2 0.187								
75 14.59 33.51	24.933 303.0 0.268								
100 12.92 33.46	25.236 274.0 0.341								
125 11.54 33.53	25.555 243.8 0.406								
150 10.76 33.79	25.898 211.3 0.464								
200 9.35 33.95	26.261 176.8 0.562								
250 8.71 34.09	26.473 156.7 0.648								
300 8.33 34.20	26.517 143.0 0.725								
400 7.53 34.29	26.806 125.0 0.865								
500 6.59 34.30	26.945 111.9 0.991								
600 5.88 34.35	27.076 99.4 1.104								
700 5.36 34.40	27.180 89.6 1.207								
800 4.94 34.44	27.260 82.0 1.301								
1000 4.15 34.49	27.387 70.0 1.471								

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 107032

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
30 26.0 N	116 11.0 W	07/19/72	0450 GMT		571 M	310	14 KT	1	300 02 04
Z T S	02 P04 SI03	N02 N03	DT	Z T S	02	SIGT	DT	DD	
0 20.25 33.63	23.674 423.0 0.000								
10 15.45 33.48	24.728 322.5 0.037								
20 13.73 33.29	24.944 302.0 0.069								
30 13.27 33.36	25.091 288.0 0.098								
50 11.73 33.47	25.473 251.6 0.152								
75 10.78 33.63	25.770 223.4 0.212								
100 10.52 33.95	26.064 195.5 0.265								
125 10.54 34.07	26.154 187.0 0.313								
150 10.60 34.18	26.229 179.9 0.360								
200 10.47 34.39	26.415 162.2 0.447								
250 10.35 34.41	26.451 158.7 0.530								
300 9.99 34.49	26.576 146.9 0.609								

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 107035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPFED	WEATHER	DOMINANT WAVES
30 21.0 N	116 22.0 W	07/19/72	0658 GMT		1249 M	330	13 KT	1	330 01 03
Z T S	02 P04 SI03	N02 N03	DT	Z T S	02	SIGT	DT	DD	
0 19.28 33.58	23.888 402.7 0.000								
10 18.69 33.57	24.029 389.2 0.040								
20 16.81 33.47	24.407 353.1 0.077								
30 14.27 33.28	24.824 313.4 0.110								
50 13.11 33.36	25.123 285.0 0.170								
75 11.86 33.60	25.550 244.3 0.237								
100 11.02 33.92	25.952 206.1 0.294								
125 10.98 34.11	26.107 191.4 0.344								
150 11.38 34.35	26.220 180.6 0.391								
200 11.36 34.57	26.395 164.1 0.479								
250 9.23 34.25	26.515 152.7 0.561								
300 8.29 34.16	26.592 145.3 0.638								
400 8.16 34.39	26.792 126.4 0.780								
500 6.87 34.30	26.907 115.5 0.909								
600 6.34 34.40	27.056 101.3 1.025								
700 5.84 34.41	27.129 94.5 1.132								
800 5.18 34.44	27.232 84.6 1.230								
1000 3.99 34.53	27.436 65.4 1.399								

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

107040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 11.0 N	116 42.0 W	07/19/72	0949 GMT	2790 M	330	10 KT		330 01 03							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	20.47	33.59		23.586	431.5	0.000
									10	19.32	33.54		24.098	382.6	0.041
									20	14.34	33.33		24.848	311.1	0.075
									30	12.71	33.53		25.333	265.0	0.104
									50	10.79	33.60		25.745	225.8	0.154
									75	10.44	33.84		25.992	202.3	0.207
									100	9.88	34.05		26.252	177.7	0.255
									125	10.00	34.21		26.356	167.3	0.299
									150	9.42	34.23		26.466	157.1	0.340
									200	9.31	34.32		26.557	148.7	0.419
									250	9.08	34.38		26.641	140.8	0.493
									300	8.52	34.39		26.737	131.6	0.564
									400	7.22	34.32		26.874	118.6	0.695
									500	6.59	34.33		26.969	109.6	0.816
									600	6.06	34.38		27.077	99.4	0.928
									700	5.55	34.41		27.164	91.1	1.032
									800	4.98	34.44		27.256	82.4	1.128
									1000	4.36	34.50		27.373	71.3	1.300

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

107050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 50.5 N	117 22.0 W	07/19/72	1423 GMT	2790 M	310	13 KT		310 03 02							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.62	33.60		23.815	409.5	0.000
									10	19.25	33.57		23.888	402.7	0.041
									20	18.40	33.56		24.094	383.0	0.050
									30	17.38	33.52		24.311	362.3	0.117
									50	15.10	33.46		24.785	317.1	0.185
									75	13.01	33.51		25.259	272.1	0.260
									100	11.37	33.49		25.555	243.8	0.325
									125	10.70	33.68		25.823	218.4	0.383
									150	10.67	34.17		26.209	181.7	0.434
									200	10.60	34.40		26.400	163.6	0.522
									250	10.11	34.45		26.524	151.8	0.603
									300	9.89	34.54		26.632	141.6	0.680
									400	8.62	34.51		26.815	124.2	0.319
									500	7.14	34.43		26.972	109.3	0.944
									600	6.22	34.40		27.072	99.8	1.057
									700	5.54	34.43		27.181	89.5	1.160
									800	5.02	34.45		27.259	82.1	1.255
									1000	4.27	34.51		27.390	69.7	1.425

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

107060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 32.0 N	118 1.5 W	07/19/72	1841 GMT	3545 M	300	09 KT		300 02 03							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.26	33.51		23.839	407.3	0.000
									10	19.10	33.51		23.886	403.4	0.041
									20	18.54	33.64		24.120	380.5	0.080
									30	18.21	33.65		24.209	372.0	0.118
									50	17.67	33.70		24.379	355.8	0.191
									75	15.05	33.56		24.873	308.6	0.274
									100	13.38	33.48		25.161	281.3	0.349
									125	11.67	33.55		25.547	244.7	0.415
									150	10.31	33.71		25.914	209.6	0.472
									200	9.60	34.00		26.259	176.9	0.571
									250	8.67	34.07		26.463	157.6	0.657
									300	8.14	34.15		26.607	143.9	0.735
									400	6.81	34.15		26.797	125.9	0.875
									500	6.16	34.28		26.985	108.1	0.998
									600	5.32	34.29		27.097	97.4	1.108
									700	4.86	34.37		27.214	86.4	1.207
									800	4.60	34.45		27.307	77.6	1.297
									1000	3.93	34.51		27.426	66.3	1.459

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

107060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 32.0 N	118 1.5 W	07/19/72	1937 GMT	3545 M	300	09 KT		300 02 03							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.31	33.511	0.28	2.	0.03	0.1	402.4	0	19.31	33.511		23.827	408.4	0.000	
10	19.24	33.504	0.29	3.	0.04	0.1	407.2	10	19.24	33.504		23.840	407.2	0.041	
29	18.13	33.658	0.24	3.	0.01	0.1	369.6	20	18.73	33.579		24.025	389.6	0.081	
53	16.83	33.677	0.22	2.	0.01	0.1	338.5	30	18.08	33.662		24.249	368.2	0.119	
68	15.57	33.642	0.22	3.	0.00	0.0	313.7	50	17.01	33.683		24.522	342.2	0.190	
82	14.41	33.521	0.30	3.	0.00	0.0	298.5	75	14.97	33.581		24.907	305.6	0.271	
97	13.54	33.490	0.41	4.	0.12	0.6	253.6	100	13.34	33.491		25.178	279.7	0.345	
125	11.70	33.548	1.09	11.	0.02	10.7	245.3	125	11.70	33.548		25.539	245.3	0.411	
149	10.48	33.650	1.23	15.	0.01	16.3	217.0	150	10.45	33.656		25.847	216.1	0.470	
173	10.05	33.403	1.62	20.	0.01	20.5	198.7	200	9.65	33.470		26.228	179.9	0.571	
206	9.56	34.001	1.64	28.	0.01	22.6	176.2	250	8.79	34.083		26.455	158.4	0.657	
267	8.49	34.087	2.16	39.	0.02	27.1	153.7	300	7.94	34.109		26.604	144.3	0.736	
360	7.10	34.134	2.64	56.	0.00	34.7	130.9	400	6.73	34.158		26.815	124.2	0.875	
454	6.32	34.189	2.97	71.	0.00	39.3	116.8	500	5.95	34.216		26.962	110.3	0.999	
579	5.39	34.265	3.17	89.	0.00	42.4	100.1	600	5.26	34.280		27.094	97.8	1.110	
725	4.78	34.364	3.28	103.	0.00	44.8	86.0	700	4.86	34.348		27.196	88.0	1.210	
868	4.28	34.432	3.28	113.	0.00	44.0	75.6	800	4.50	34.403		27.280	80.1	1.302	
1075	3.81	34.491	3.27	125.	0.00	45.5	66.6	1000	3.95	34.476		27.397	69.1	1.468	

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

107070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 11.0 N	118 41.0 W	07/20/72	0115 GMT		3169 M	320	11 KT	1	320 02 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	20.08	33.66		23.742	416.6	0.000
									10	19.04	33.62		23.979	394.0	0.041
									20	18.38	33.64		24.159	376.7	0.079
									30	17.66	33.55		24.267	366.5	0.116
									50	17.12	33.58		24.418	352.1	0.188
									75	16.12	33.59		24.658	329.2	0.274
									100	14.49	33.53		24.970	299.5	0.353
									125	11.82	33.52		25.496	249.5	0.423
									150	11.01	33.74		25.814	219.2	0.482
									200	9.98	34.06		26.243	178.5	0.583
									250	9.28	34.18		26.452	158.6	0.670
									300	8.64	34.26		26.617	143.0	0.748
									400	7.60	34.30		26.804	125.2	0.888
									500	6.46	34.31		26.970	109.5	1.012
									600	5.93	34.37		27.086	98.5	1.124
									700	5.12	34.38		27.192	88.5	1.226
									800	4.64	34.42		27.278	80.3	1.318
									1000	4.09	34.50		27.401	68.6	1.485

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

107080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 54.0 N	119 20.0 W	07/20/72	0554 GMT		3641 M	310	13 KT	2	300 03 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	20.22	33.75		23.773	413.6	0.000
									10	19.73	33.70		23.863	405.0	0.041
									20	19.20	33.91		24.159	376.8	0.080
									30	18.78	33.90		24.258	367.4	0.117
									50	17.35	33.73		24.478	346.4	0.189
									75	14.79	33.41		24.814	314.4	0.272
									100	12.65	33.43		25.268	271.2	0.346
									125	11.06	33.65		25.735	226.7	0.409
									150	10.44	33.82		25.977	203.8	0.463
									200	9.68	34.11		26.332	170.1	0.559
									250	9.15	34.23		26.512	152.9	0.642
									300	8.72	34.28		26.620	142.7	0.718
									400	7.71	34.35		26.827	123.0	0.857
									500	6.74	34.35		26.964	110.1	0.981
									600	6.12	34.39		27.077	99.3	1.093
									700	5.52	34.43		27.184	89.2	1.196
									800	5.00	34.45		27.261	81.9	1.291
									1000	4.25	34.52		27.400	68.7	1.460

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

110032

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 51.5 N	115 49.5 W	07/18/72	2023 GMT		52 M	310	11 KT	1	300 02 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.15	33.73		24.526	341.8	0.000
									10	13.10	33.67		25.364	262.0	0.030
									20	12.57	33.78		25.553	244.0	0.056
									30	12.33	33.79		25.608	238.9	0.080
									50	11.49	33.84		25.805	220.1	0.126

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

110035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 46.0 N	116 0.0 W	07/18/72	1746 GMT		1206 M	310	09 KT	1	320 02 07						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.22	33.74		24.517	342.7	0.000
									10	15.02	33.73		25.010	295.7	0.032
									20	12.31	33.76		25.588	240.7	0.059
									30	11.53	33.90		25.844	216.4	0.082
									50	11.19	34.08		26.046	197.2	0.123
									75	10.91	34.15		26.151	187.3	0.172
									100	10.67	34.18		26.216	181.0	0.218
									125	10.66	34.27		26.288	174.2	0.263
									150	10.92	34.33		26.288	174.2	0.308
									200	10.81	34.35		26.324	170.8	0.396
									250	10.91	34.47		26.399	163.7	0.482
									300	10.38	34.52		26.532	151.1	0.564
									400	8.99	34.49		26.741	131.2	0.712
									500	7.39	34.38		26.897	116.4	0.844
									600	6.86	34.41		26.992	107.4	0.965
									700	5.87	34.40		27.117	95.6	1.075
									800	5.24	34.44		27.225	85.3	1.175
									1000	4.24	34.51		27.393	69.4	1.349

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 110040

LATITUDE 29 36.5 N	LONGITUDE 116 20.0 W	MO/DAY/YR 07/18/72	MESSENDER TIME 1338 GMT	BOTTOM 2321 M	WIND 360	SPEED 09 KT	WEATHER 2	DOMINANT WAVES 360 01 07
Z	T	S	02	P04	S103	N02	N03	DT
0	19.53	33.61		23.846	406.6	0.000		
10	18.84	33.60		24.014	390.6	0.040		
20	16.98	33.43		24.337	359.3	0.077		
30	15.17	33.27		24.624	332.5	0.112		
50	13.77	33.29		24.936	302.8	0.176		
75	11.20	33.67		25.726	227.6	0.243		
100	11.05	33.94		25.962	205.2	0.297		
125	11.33	34.27		26.167	185.7	0.347		
150	10.87	34.32		26.269	174.1	0.392		
200	10.88	34.56		26.474	156.5	0.477		
250	10.29	34.51		26.540	150.3	0.556		
300	9.58	34.43		26.631	141.7	0.632		
400	8.42	34.47		26.815	124.2	0.772		
500	7.38	34.44		26.946	111.8	0.892		
600	6.36	34.37		27.030	103.6	1.014		
700	5.70	34.40		27.138	93.6	1.121		
800	5.13	34.44		27.236	84.1	1.219		
1000	4.22	34.50		27.388	69.9	1.392		

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 110040

LATITUDE 29 36.5 N	LONGITUDE 116 20.0 W	MO/DAY/YR 07/18/72	MESSENDER TIME 1438 GMT	BOTTOM 2321 M	WIND 360	SPEED 09 KT	WEATHER 2	DOMINANT WAVES 360 01 07
Z	T	S	02	P04	S103	N02	N03	DT
1	19.33	33.579	5.51	1.	0.00	0.2	404.0	0
11	18.68	33.579	5.59	0.19	1.	0.00	0.1	388.3
31	15.77	33.380	5.96	0.30	4.	0.00	0.1	337.1
56	13.97	33.325	6.16	0.60	3.	0.00	0.1	304.1
70	12.39	33.466	5.46	1.49	9.	0.06	1.2	283.6
85	11.25	33.733	3.54	1.50	17.	0.02	15.4	273.5
99	11.10	33.875	2.86	1.80	21.	0.01	17.8	210.0
129	11.32	34.259	1.37	2.39	30.	0.00	24.8	196.3
153	10.79	34.341	1.14	2.64	34.	0.01	26.3	171.2
179	10.93	34.489	0.61	2.77	37.	0.01	27.7	162.6
213	10.77	34.553	0.43	2.81	39.	0.00	28.0	155.2
276	9.63	34.413	0.80	2.79	44.	0.00	29.6	146.9
373	8.59	34.399	0.52	2.91	52.	0.00	32.0	132.3
470	7.65	34.417	0.31	3.10	62.	0.01	35.0	117.2
599	6.42	34.380	0.31	3.43	80.	0.00	39.4	103.8
748	5.35	34.389	0.36	3.34	91.	0.00	44.0	90.4
893	4.58	34.450	0.48	3.35	107.	0.00	44.6	77.4
1098	3.88	34.494	0.74	3.35	124.	0.00	46.4	67.0
								1000
								4.16
								34.480
								0.60
								27.378
								70.8
								1.409

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 110050

LATITUDE 29 17.0 N	LONGITUDE 116 58.5 W	MO/DAY/YR 07/15/72	MESSENDER TIME 0837 GMT	BOTTOM 3832 M	WIND 330	SPEED 05 KT	WEATHER	DOMINANT WAVES
Z	T	S	07	P04	S103	N02	N03	DT
0	19.30	33.57		23.875	403.9	0.010		
10	19.50	33.54		24.053	386.8	0.040		
20	17.56	33.50		24.252	367.9	0.077		
30	15.75	33.50		24.572	327.9	0.112		
50	13.06	33.55		25.290	270.1	0.172		
75	11.53	33.72		25.704	229.7	0.235		
100	10.90	33.92		25.974	204.1	0.290		
125	10.40	34.03		26.133	186.0	0.340		
150	10.33	34.24		26.323	170.9	0.385		
200	9.58	34.25		26.458	158.1	0.469		
250	9.65	34.45		26.602	144.4	0.547		
300	9.79	34.33		26.648	140.1	0.621		
400	7.20	34.31		26.869	119.1	0.757		
500	6.55	34.35		26.990	107.7	0.877		
600	5.86	34.33		27.102	97.0	0.937		
700	5.31	34.43		27.209	86.2	1.087		
800	4.81	34.47		27.299	78.3	1.178		
1000	4.14	34.52		27.412	67.6	1.342		

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 110060

LATITUDE 28 57.0 N	LONGITUDE 117 39.0 W	MO/DAY/YR 07/14/72	MESSENDER TIME 0235 GMT	BOTTOM 3641 M	WIND 220	SPEED 03 KT	WEATHER	DOMINANT WAVES
Z	T	S	02	P04	S103	N02	N03	DT
0	20.03	33.56		23.679	422.6	0.000		
10	19.87	33.56		23.976	394.2	0.041		
20	18.58	33.65		24.102	352.2	0.080		
30	18.24	33.64		24.194	373.5	0.118		
50	16.79	33.62		24.526	341.8	0.189		
75	14.93	33.55		24.876	308.5	0.271		
100	13.90	33.52		25.067	290.3	0.347		
125	12.01	33.50		25.444	254.4	0.415		
150	10.66	33.54		25.721	228.1	0.476		
200	9.86	33.94		26.169	195.5	0.582		
250	9.15	34.12		26.426	161.1	0.670		
300	8.33	34.15		26.578	146.7	0.750		
400	7.19	34.22		26.800	125.6	0.892		
500	6.26	34.24		26.941	112.2	1.018		
600	5.54	34.31		27.087	98.4	1.130		
700	5.37	34.43		27.202	87.5	1.231		
800	4.88	34.44		27.267	81.3	1.324		
1000	4.21	34.50		27.389	69.5	1.404		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

110060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 57.0 N	117 39.0 W	07/18/72	0327 GMT	3641 M	220	03 KT	0	320 01 07							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	19.09	33.56	5.56	2.	0.00	0.1	399.5	0	19.09	33.56	5.56	23.921	399.5	0.000	
11	18.57	33.54	5.65	0.36	2.	0.00	0.0	368.5	10	18.61	33.54	5.64	24.025	389.5	0.039
30	18.25	33.65	5.63	2.	0.00	0.1	373.0	20	18.41	33.59	5.64	24.113	381.1	0.078	
55	16.73	33.60	5.93	0.34	2.	0.00	0.0	341.9	30	18.25	33.65	5.63	24.199	373.0	0.116
70	15.78	33.58	5.97	0.39	2.	0.00	0.0	322.7	50	17.09	33.62	5.87	24.454	348.6	0.188
85	14.73	33.53	5.92	0.38	3.	0.00	0.0	304.4	75	15.41	33.56	5.96	24.793	316.3	0.272
99	14.16	33.56	5.80	0.39	2.	0.00	0.1	290.7	100	14.09	33.56	5.79	25.074	289.6	0.348
129	12.12	33.50	5.20	0.76	7.	0.02	5.7	256.4	125	12.40	33.51	5.31	25.374	261.1	0.418
153	11.05	33.61	4.27	1.24	13.	0.00	12.9	229.5	150	11.16	33.59	4.38	25.671	232.8	0.480
178	10.16	33.77	3.88	1.50	18.	0.00	17.3	202.9	200	9.79	33.94	3.22	26.180	184.4	0.586
212	9.65	34.02	2.84	2.04	28.	0.00	22.0	176.3	250	9.05	34.11	2.46	26.432	160.6	0.675
277	8.62	34.11	2.36	2.33	39.	0.00	33.6	153.9	300	8.27	34.13	2.12	26.571	147.3	0.754
375	7.24	34.17	1.36	2.81	57.	0.00	33.0	130.0	400	6.97	34.18	1.21	26.800	125.6	0.897
472	6.31	34.21	0.82	3.08	70.	0.00	38.6	115.1	500	6.10	34.22	0.70	26.949	111.5	1.022
605	5.51	34.29	0.39	3.36	87.	0.00	41.8	99.6	600	5.53	34.29	0.40	27.069	100.1	1.174
757	5.10	34.42	0.33	3.39	96.	0.00	44.9	85.2	700	5.23	34.37	0.35	27.174	90.1	1.237
903	4.51	34.46	0.44	3.39	109.	0.00	47.4	75.9	800	4.93	34.44	0.35	27.259	82.2	1.332
1108	3.89	34.50	0.65	3.47	122.	0.00	45.4	66.7	1000	4.19	34.48	0.53	27.377	71.0	1.504

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

110070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 35.5 N	118 17.0 W	07/17/72	2208 GMT	3832 M	120	04 KT	1	310 01 07							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.55	33.56							0	19.55	33.56		23.803	410.7	0.000
10	18.84	33.46							10	18.84	33.46		23.908	400.8	0.041
20	18.51	33.59							20	18.51	33.59		24.089	383.5	0.080
30	19.05	34.04							30	19.05	34.04		24.266	363.7	0.117
50	17.36	33.76							50	17.36	33.76		24.499	344.4	0.188
75	15.00	33.55							75	15.00	33.55		24.876	302.5	0.270
100	12.92	33.39							100	12.92	33.39		25.184	279.2	0.344
125	11.80	33.53							125	11.80	33.53		25.507	245.4	0.411
150	10.96	33.67							150	10.96	33.67		25.769	223.5	0.471
200	9.90	34.02							200	9.90	34.02		26.225	180.2	0.574
250	9.39	34.22							250	9.39	34.22		26.465	157.4	0.660
300	8.84	34.28							300	8.84	34.28		26.601	144.5	0.738
400	7.76	34.33							400	7.76	34.33		26.805	125.2	0.880
500	6.96	34.36							500	6.96	34.36		26.942	112.2	1.006
600	6.21	34.39							600	6.21	34.39		27.066	100.5	1.120
700	5.58	34.42							700	5.58	34.42		27.169	90.7	1.224
800	5.13	34.45							800	5.13	34.45		27.249	83.1	1.316
1000	4.24	34.51							1000	4.24	34.51		27.393	69.4	1.482

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

110080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 16.0 N	118 58.0 W	07/17/72	1607 GMT	4021 M	160	06 KT	1	300 03 06							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.38	33.533	5.50	0.26	2.	0.01	0.1	408.5	0	19.38	33.54		23.831	408.0	0.000
10	18.87	33.525	5.56	0.28	2.	0.00	0.1	396.8	10	18.87	33.525	5.56	23.933	398.3	0.040
30	17.58	33.509	5.76	0.27	3.	0.00	0.0	347.7	20	18.25	33.517	5.65	24.096	382.7	0.079
56	15.80	33.506	6.04	0.28	2.	0.01	0.1	328.5	30	17.58	33.509	5.76	24.254	367.7	0.117
70	14.47	33.411	6.09	0.29	2.	0.02	0.0	307.8	50	16.26	33.517	5.99	24.570	337.6	0.188
85	14.09	33.439	6.02	0.29	3.	0.00	0.0	298.2	75	14.32	33.417	6.08	24.919	304.4	0.268
100	13.08	33.421	5.80	0.38	3.	0.04	0.9	279.9	100	13.08	33.421	5.80	25.176	279.9	0.342
130	11.57	33.476	5.05	0.86	8.	0.06	8.0	246.4	125	11.79	33.460	5.18	25.455	253.4	0.409
155	10.56	33.594	4.67	1.10	13.	0.01	12.2	222.4	150	10.75	33.566	4.74	25.725	227.7	0.470
179	9.61	33.765	4.29	1.37	19.	0.00	19.2	194.5	200	9.22	33.904	3.76	26.247	178.1	0.573
214	9.09	33.987	3.36	1.82	29.	0.01	22.5	170.0	250	9.02	34.168	2.26	26.484	155.6	0.659
277	8.97	34.250	1.52	2.45	43.	0.00	28.0	146.7	300	8.85	34.298	1.16	26.613	143.4	0.736
376	8.27	34.361	0.60	2.89	54.	0.00	32.2	130.1	400	8.00	34.360	0.57	26.792	126.4	0.878
472	7.17	34.344	0.49	3.06	66.	0.00	36.7	116.1	500	6.93	34.351	0.43	26.939	112.5	1.004
602	6.21	34.389	0.26	3.25	80.	0.00	39.8	100.5	600	6.22	34.388	0.26	27.063	100.7	1.119
750	5.35	34.427	0.29	3.35	91.	0.01	43.1	87.5	700	5.62	34.416	0.28	27.160	91.5	1.224
896	4.57	34.451	0.44	3.35	107.	0.01	46.8	77.2	800	5.06	34.435	0.53	27.242	83.7	1.320
1103	3.94	34.500	0.65	3.30	119.	0.04	42.8	67.2	1000	4.18	34.475	0.55	27.371	71.5	1.494

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 22.0 N	115 18.0 W	07/16/72	0554 GMT	63 M	200	02 KT	0	000							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.01	33.67	24.513	343.0	0.000	
									10	14.77	33.72	25.056	291.3	0.032	
									20	12.98	33.77	25.465	252.4	0.059	
									30	11.20	33.75	25.788	221.2	0.083	
									50	10.65	33.94	26.033	198.4	0.125	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113055

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 11.5 N	115 38.5 W	07/16/72	0826 GMT	1298 M	270	05 KT	2	000							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.58	33.60	24.079	384.4	0.000	
									10	16.21	33.54	24.599	334.9	0.036	
									20	13.08	33.53	25.260	271.9	0.066	
									30	12.12	33.55	25.462	252.7	0.093	
									50	11.00	33.76	25.832	217.6	0.140	
									75	10.79	34.01	26.063	195.6	0.192	
									100	10.92	34.28	26.249	177.9	0.239	
									125	11.02	34.39	26.317	171.5	0.283	
									150	11.09	34.46	26.359	167.5	0.327	
									200	10.36	34.42	26.457	158.1	0.410	
									250	10.27	34.54	26.566	147.8	0.489	
									300	9.77	34.55	26.660	139.0	0.563	
									400	8.77	34.48	26.768	128.7	0.704	
									500	7.67	34.44	26.904	115.8	0.835	
									600	7.06	34.45	26.999	106.8	0.955	
									700	5.79	34.42	27.143	93.1	1.064	
									800	5.06	34.44	27.247	83.3	1.161	
									1000	4.09	34.52	27.417	67.1	1.330	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
29 2.0 N	115 56.5 W	07/16/72	1106 GMT	1856 M	120	10 KT	2	000							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	18.90	33.57	23.976	394.2	0.000	
									10	18.22	33.51	24.100	382.4	0.039	
									20	15.37	33.22	24.542	340.3	0.075	
									30	13.57	33.23	24.930	303.3	0.107	
									50	12.34	33.49	25.374	261.1	0.164	
									75	11.66	33.61	25.595	240.1	0.227	
									100	10.69	33.89	25.988	202.7	0.283	
									125	10.45	34.11	26.201	182.5	0.332	
									150	10.90	34.39	26.339	169.4	0.376	
									200	10.37	34.46	26.487	155.4	0.459	
									250	10.01	34.52	26.596	145.0	0.537	
									300	9.53	34.56	26.708	134.4	0.610	
									400	8.63	34.50	26.806	125.1	0.746	
									500	7.80	34.45	26.893	116.8	0.875	
									600	6.69	34.44	27.042	102.7	0.994	
									700	5.91	34.42	27.123	94.6	1.102	
									800	5.20	34.41	27.207	87.1	1.202	
									1000	4.38	34.49	27.362	72.3	1.381	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 41.5 N	116 36.0 W	07/16/72	2048 GMT	3545 M	140	06 KT	1	000							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.32	33.57	23.570	404.4	0.000	
									10	18.65	33.55	24.024	389.7	0.040	
									20	15.40	33.53	24.071	385.2	0.079	
									30	17.92	33.50	24.165	376.2	0.117	
									50	16.41	33.53	24.546	339.9	0.189	
									75	14.53	33.48	24.923	304.0	0.269	
									100	12.69	33.38	25.221	275.6	0.342	
									125	11.07	33.52	25.633	236.5	0.407	
									150	10.45	33.64	25.991	202.5	0.463	
									200	11.25	34.43	26.306	172.5	0.558	
									250	10.13	34.38	26.466	157.3	0.643	
									300	9.44	34.41	26.605	144.1	0.722	
									400	8.51	34.43	26.770	128.5	0.865	
									500	7.23	34.38	26.920	114.3	0.994	
									600	6.18	34.38	27.062	100.8	1.109	
									700	5.56	34.41	27.163	91.2	1.214	
									800	5.09	34.45	27.251	82.9	1.310	
									1000	4.25	34.50	27.384	70.2	1.482	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 22.0 N	117 16.0 W	07/17/72	D127	GMT	3641 M	170	08 KT	0	150 02 06							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.30	33.56	23.867	404.6	0.000		
									10	18.59	33.53	24.023	389.7	0.040		
									20	18.25	33.56	24.130	379.5	0.078		
									30	17.74	33.54	24.240	369.1	0.116		
									50	16.46	33.57	24.565	338.1	0.187		
									75	14.43	33.44	24.914	304.9	0.268		
									100	13.77	33.45	25.059	291.1	0.343		
									125	12.30	33.47	25.366	261.8	0.412		
									150	10.65	33.64	25.800	220.5	0.474		
									200	9.36	33.92	26.236	179.1	0.575		
									250	8.65	34.02	26.427	161.0	0.662		
									300	8.12	34.11	26.579	146.6	0.742		
									400	7.16	34.21	26.796	126.0	0.884		
									500	6.25	34.27	26.966	109.9	1.008		
									600	5.92	34.36	27.079	99.2	1.120		
									700	5.27	34.40	27.190	85.6	1.222		
									800	4.84	34.44	27.272	80.9	1.316		
									1000	4.10	34.51	27.408	68.0	1.483		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 22.0 N	117 16.0 W	07/17/72	D204	GMT	3641 M	170	08 KT	0	150 02 06							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	19.37	33.568	5.55	0.24	2.	0.00	0.1	405.7	0	19.37	33.568	5.55	23.855	405.7	0.000	
11	18.40	33.560	5.61	0.25	3.	0.00	0.1	383.0	10	18.48	33.561	5.60	24.074	384.9	0.040	
31	17.66	33.551	5.73	0.24	2.	0.00	0.0	366.4	20	18.00	33.556	5.66	24.189	373.9	0.078	
56	16.12	33.584	5.93	0.24	2.	0.00	0.1	329.7	30	17.68	33.552	5.72	24.262	367.0	0.115	
71	14.98	33.478	6.02	0.25	3.	0.00	0.0	313.3	50	16.54	33.586	5.88	24.558	338.8	0.185	
86	14.22	33.441	5.96	0.26	2.	0.00	0.0	300.6	75	14.75	33.463	6.02	24.863	309.7	0.267	
102	13.63	33.447	5.80	0.32	3.	0.02	0.3	288.5	100	13.70	33.445	5.83	25.069	290.1	0.343	
131	12.28	33.477	5.16	0.68	8.	0.01	5.6	261.0	125	12.59	33.462	5.34	25.304	267.7	0.413	
155	10.96	33.656	4.14	1.22	15.	0.01	13.4	224.6	150	11.23	33.616	4.32	25.678	232.2	0.476	
180	9.84	33.760	4.40	1.27	17.	0.01	15.9	198.5	200	9.71	33.948	5.53	26.200	182.6	0.582	
214	9.62	34.067	2.79	1.95	30.	0.00	23.9	172.3	250	8.70	34.020	2.71	26.420	161.7	0.670	
278	8.23	34.057	2.65	2.25	41.	0.00	27.7	152.1	300	8.02	34.094	2.35	26.582	146.3	0.749	
377	7.57	34.216	1.16	2.77	50.	0.00	34.6	131.1	400	7.42	34.242	0.95	26.785	127.1	0.892	
473	6.93	34.303	0.53	3.03	69.	0.00	37.5	116.1	500	6.72	34.315	0.48	26.938	112.5	1.019	
606	5.92	34.345	0.30	3.29	84.	0.00	40.6	100.3	600	5.96	34.344	0.31	27.061	100.9	1.133	
756	5.03	34.402	0.33	3.27	99.	0.00	44.0	85.8	700	5.34	34.381	0.32	27.168	90.8	1.237	
901	4.36	34.445	0.48	3.34	113.	0.00	45.3	75.5	800	4.80	34.416	0.37	27.257	82.5	1.332	
1108	3.80	34.496	0.69	3.29	127.	0.00	46.0	66.1	1000	4.03	34.472	0.58	27.385	70.2	1.503	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 2.0 N	117 55.0 W	07/17/72	D629	GMT	3357 M	330	04 KT	0	150 02 06							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.26	33.52	23.847	406.5	0.000		
									10	18.71	33.43	23.917	399.8	0.040		
									20	17.68	33.48	24.208	372.1	0.079		
									30	16.60	33.44	24.433	350.7	0.115		
									50	15.26	33.41	24.712	324.1	0.183		
									75	14.15	33.41	24.949	301.5	0.262		
									100	13.06	33.51	25.249	273.0	0.334		
									125	11.98	33.48	25.435	255.3	0.401		
									150	11.04	33.57	25.677	232.3	0.462		
									200	10.34	34.09	26.204	182.2	0.568		
									250	9.76	34.26	26.435	160.2	0.656		
									300	9.30	34.35	26.582	146.4	0.735		
									400	8.19	34.37	26.772	128.3	0.879		
									500	7.04	34.36	26.931	113.2	1.007		
									600	6.27	34.38	27.050	101.9	1.123		
									700	5.63	34.42	27.163	91.3	1.228		
									800	5.06	34.44	27.247	83.3	1.325		
									1000	4.21	34.50	27.389	69.8	1.496		

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

113080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
27 42.0 N	118 33.5 W	07/17/72	D112	GMT	3926 M	300	03 KT	0	150 02 06							
Z	T	S	02	P04	SI03	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	19.20	33.50	23.847	406.5	0.000		
									10	18.62	33.49	23.986	393.3	0.040		
									20	17.80	33.46	24.164	376.3	0.079		
									30	17.27	33.51	24.329	360.5	0.115		
									50	16.14	33.56	24.630	331.9	0.185		
									75	14.83	33.53	24.897	306.4	0.265		
									100	13.37	33.45	25.140	283.3	0.339		
									125	11.67	33.50	25.508	248.3	0.407		
									150	10.67	33.69	25.836	217.2	0.466		
									200	10.22	34.12	26.248	178.0	0.566		
									250	9.98	34.33	26.453	158.6	0.653		
									300	9.45	34.39	26.588	145.7	0.732		
									400	7.94	34.35	26.794	126.2	0.874		
									500	7.00	34.38	26.952	111.2	1.000		
									600	6.21	34.40	27.073	99.7	1.114		
									700	5.65	34.42	27.160	91.5	1.218		
									800	5.06	34.45	27.254	82.6	1.314		
									1000	4.26	34.50	27.383	70.3	1.486		

RV DAVID STARR JORDAN

CALCOFF CRUISE 7207

117026

CALCOFF CRUISE 7207								DOMINANT WAVES							
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	Z	T	S	02	SIGT	DT	DD	270 01 04
28 55.0 N	114 43.5 W	07/15/72	1925 GMT	76 M	150	08 KT	1								
					0	18.01	33.66	24.265	366.6	0.000					
					10	17.00	33.61	24.469	347.2	0.036					
					20	17.04	33.42	25.377	260.7	0.066					
					30	11.30	33.68	25.715	228.6	0.091					
					50	10.51	33.95	26.050	196.6	0.133					

RV DAVID STARR JORDAN

CALCOFF CRUISE 7207

117030

CALCOFF CRUISE 7207								DOMINANT WAVES								530 01 03
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	Z	T	S	02	SIGT	DT	DD		
28 48.0 N	114 56.0 W	07/15/72	1654 GMT	103 M	110	08 KT	2									
					0	17.31	33.57	24.366	357.1	0.000						
					10	17.20	33.57	24.392	354.6	0.036						
					20	14.89	33.20	24.631	331.8	0.070						
					30	15.07	33.43	25.155	279.1	0.101						
					50	10.93	33.87	25.930	208.5	0.149						
					75	10.53	34.03	26.125	189.7	0.210						

RV DAVID STARK JORDAN

CALCOFF CRUISE 7207

117035

CALCOFF CRUISE 7207								DOMINANT WAVES								330 01 03
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	Z	T	S	02	SIGT	DT	DD		
28 38.0 N	115 16.0 W	07/15/72	1403 GMT	205 M	330	08 KT	2									
					0	18.25	33.56	24.130	379.5	0.100						
					10	16.47	33.15	24.241	369.0	0.037						
					20	13.32	33.56	25.235	274.3	0.170						
					30	19.49	33.66	25.478	251.2	0.196						
					50	11.51	33.71	25.700	230.1	0.144						
					75	10.95	34.19	26.174	185.0	0.197						
					100	11.56	34.41	26.233	179.4	0.243						
					125	11.50	34.56	26.361	167.3	0.287						
					150	11.48	34.57	26.372	166.2	0.329						

RV DAVID STARK JORDAN

CALCOFF CRUISE 7207

117040

CALCOFF CRUISE 7207								DOMINANT WAVES								330 01 04
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	Z	T	S	02	SIGT	DT	DD		
28 28.0 N	115 35.5 W	07/15/72	0839 GMT	1021 M	100	08 KT	2									
					0	19.80	33.59	24.016	390.4	0.000						
					10	15.50	33.56	24.069	385.4	0.139						
					20	17.02	33.47	24.358	357.0	0.076						
					30	15.22	33.39	24.705	324.7	0.113						
					50	15.94	33.48	25.032	293.6	0.172						
					75	12.26	33.51	25.405	254.2	0.242						
					100	11.44	33.67	25.682	231.2	0.303						
					125	11.04	33.87	25.906	210.5	0.359						
					150	11.06	34.19	26.151	187.3	0.410						
					200	11.76	34.54	26.390	164.6	0.500						
					250	10.75	34.59	26.521	152.1	0.592						
					300	10.05	34.55	26.612	143.5	0.659						
					400	9.46	34.53	26.696	135.5	0.705						
					500	8.19	34.48	26.858	124.1	0.942						
					600	7.19	34.45	26.981	104.5	1.105						
					700	6.06	34.44	27.125	94.0	1.177						
					800	5.10	34.46	27.258	82.2	1.274						

RV DAVID STARK JORDAN

CALCOFF CRUISE 7207

117050

CALCOFF CRUISE 7207								DOMINANT WAVES								340 01 05
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	Z	T	S	02	SIGT	DT	DD		
28 8.0 N	116 15.0 W	07/15/72	0528 GMT	4212 M	250	08 KT	2									
					0	19.97	33.70	24.032	386.5	0.000						
					10	18.86	33.70	24.085	393.8	0.019						
					20	14.08	33.68	24.264	366.8	0.276						
					30	15.21	33.57	24.845	311.4	0.110						
					50	12.04	33.55	25.478	251.2	0.167						
					75	10.77	33.77	25.287	212.3	0.225						
					100	11.03	34.15	26.152	187.1	0.275						
					125	11.39	34.39	26.249	177.9	0.322						
					150	11.23	34.49	26.357	167.7	0.366						
					200	11.15	34.65	26.495	154.5	0.445						
					250	10.70	34.66	26.584	146.1	0.526						
					300	11.24	34.64	26.649	134.4	0.601						
					400	9.79	34.49	26.773	125.2	0.742						
					500	7.52	34.42	26.910	115.2	0.872						
					600	6.62	34.43	27.035	103.3	0.999						
					700	5.86	34.42	27.134	94.0	1.097						
					800	5.41	34.47	27.229	85.0	1.196						
					1000	4.35	34.50	27.374	71.3	1.372						

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

117060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
Z	T	S	02	P04	S103	N02	N03	DT	310 02 04
27 48.0 N	116 53.0 W	07/14/72	2201 GMT	3832 M	310	06 KT	2		
					0	18.55	33.65	24.125	380.1 0.000
					10	18.46	33.68	24.170	375.7 0.038
					20	17.00	33.67	24.515	342.8 0.074
					30	13.68	33.51	25.082	288.8 0.105
					50	11.77	33.55	25.528	246.4 0.159
					75	11.03	33.80	25.857	215.1 0.217
					100	10.86	34.26	26.245	178.3 0.267
					125	11.82	34.57	26.309	172.3 0.311
					150	11.77	34.63	26.365	167.0 0.355
					200	11.39	34.66	26.459	158.0 0.438
					250	11.03	34.66	26.525	151.7 0.518
					300	10.48	34.64	26.608	143.9 0.595
					400	8.27	34.45	26.822	123.5 0.736
					500	7.18	34.42	26.958	110.6 0.861
					600	6.29	34.42	27.079	99.2 0.974
					700	5.54	34.44	27.189	88.7 1.076
					800	5.07	34.45	27.253	82.7 1.171
					1000	4.18	34.50	27.392	69.5 1.342

RV DAVID STARR JORDAN

CALCOFT CRUISE 7207

117060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
Z	T	S	02	P04	S103	N02	N03	DT	310 02 04
27 48.0 N	116 53.0 W	07/14/72	2246 GMT	3832 M	310	06 KT	2		
					0	18.65	33.684	24.126	380.0 0.000
					10	18.51	33.695	24.169	375.8 0.038
					20	16.02	33.565	24.661	328.9 0.073
					30	13.17	33.507	25.03	25.224 0.103
					50	11.70	33.570	25.557	243.7 0.155
					75	11.02	33.915	25.947	206.6 0.212
					100	10.95	34.234	1.47	26.208 181.8 0.261
					125	11.80	34.520	0.57	26.274 175.6 0.306
					150	11.74	34.600	0.28	26.347 168.6 0.350
					200	11.42	34.634	0.19	26.434 160.4 0.435
					250	11.09	34.642	0.18	26.500 154.1 0.516
					300	10.39	34.578	0.24	26.574 147.0 0.594
					400	8.30	34.409	0.35	26.785 127.1 0.738
					500	7.28	34.415	0.26	26.940 112.3 0.866
					600	6.36	34.401	0.25	27.055 101.5 0.981
					700	5.60	34.414	0.27	27.161 91.4 1.086
					800	5.00	34.437	0.31	27.251 82.9 1.182
					1000	4.18	34.484	0.52	27.379 70.8 1.354

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

117070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
Z	T	S	02	P04	S103	N02	N03	DT	300 03 04
27 27.5 N	117 33.0 W	07/14/72	1634 GMT	3926 M	300	08 KT			
					0	18.57	33.57	24.059	386.3 0.000
					10	18.57	33.58	24.067	385.6 0.039
					20	18.53	33.57	24.069	385.4 0.077
					30	16.79	33.47	24.412	352.7 0.114
					50	15.26	33.42	24.719	323.4 0.182
					75	13.71	33.53	25.133	284.0 0.258
					100	11.61	33.55	25.558	243.6 0.325
					125	11.14	33.83	25.661	214.8 0.383
					150	10.84	34.07	26.101	192.0 0.434
					200	10.80	34.42	26.380	165.5 0.526
					250	9.29	34.30	26.544	149.9 0.607
					300	8.65	34.34	26.677	137.3 0.681
					400	7.65	34.37	26.852	120.7 0.817
					500	6.60	34.37	26.999	106.8 0.937
					600	5.98	34.40	27.103	96.9 1.047
					700	5.40	34.44	27.206	87.1 1.147
					800	4.90	34.46	27.281	80.0 1.240
					1000	4.11	34.52	27.415	67.3 1.405

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

117080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSINGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
Z	T	S	02	P04	S103	N02	N03	DT	340 01 03
27 8.0 N	118 10.5 W	07/14/72	1142 GMT	4116 M	330	11 KT			
					0	18.65	33.55	24.024	389.7 0.000
					10	18.65	33.56	24.031	389.0 0.039
					20	18.65	33.57	24.039	388.2 0.078
					30	18.42	33.67	24.172	375.5 0.116
					50	17.19	33.61	24.425	351.5 0.189
					75	15.11	33.44	24.767	318.8 0.273
					100	13.03	33.38	25.154	282.0 0.349
					125	11.37	33.48	25.548	244.6 0.415
					150	10.62	33.68	25.837	217.1 0.474
					200	9.43	34.00	26.287	174.3 0.574
					250	8.64	34.12	26.507	153.4 0.658
					300	8.10	34.20	26.652	139.7 0.733
					400	7.45	34.34	26.857	120.2 0.869
					500	6.62	34.34	26.972	109.3 0.991
					600	6.13	34.41	27.092	98.0 1.102
					700	5.43	34.42	27.187	89.0 1.204
					800	4.96	34.46	27.274	80.7 1.298
					1000	4.23	34.52	27.403	68.5 1.466

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 11R039

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 18.5 N	115 23.5 W	07/15/72	1051 GMT	260 M	190	DS KT									
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.58	33.54		24.278	365.4	0.000
									10	14.42	33.55		24.846	311.3	0.034
									20	13.88	33.36		24.967	299.3	0.064
									30	13.73	33.40		25.029	293.9	0.094
									50	12.60	33.40		25.254	272.5	0.151
									75	11.26	33.52		25.599	239.7	0.215
									100	11.27	33.94		25.922	209.0	0.272
									125	11.41	34.29		26.168	185.6	0.322
									150	11.26	34.35		26.242	178.6	0.366
									200	11.60	34.55		26.335	169.6	0.457

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 11R035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 19.0 N	114 53.0 W	07/13/72	0337 GMT	112 M	320	16 KT									
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.97	33.69		24.298	363.5	0.000
									10	17.97	33.70		24.306	362.6	0.036
									20	17.96	33.70		24.305	362.6	0.073
									30	17.81	33.69		24.337	359.4	0.109
									50	16.52	33.70		24.650	330.0	0.176
									75	11.15	33.96		25.960	205.4	0.245
									100	10.85	34.23		26.223	180.4	0.294

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 120030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 12.5 N	114 33.5 W	07/13/72	0102 GMT	93 M	320	12 KT									
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.00	33.67		24.276	365.7	0.000
									10	17.70	33.65		24.285	364.8	0.037
									20	17.67	33.65		24.340	359.5	0.073
									30	17.30	33.63		24.414	352.5	0.108
									50	12.42	33.58		25.428	255.9	0.170
									75	10.80	33.95		26.015	200.2	0.227

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 120035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
28 3.0 N	114 54.0 W	07/13/72	0545 GMT	84 M	350	08 KT									
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.90	33.68		24.308	362.6	0.000
									10	17.90	33.69		24.315	361.5	0.036
									20	17.86	33.69		24.325	361.0	0.072
									30	17.35	33.70		24.455	348.5	0.105
									50	16.02	33.70		24.765	319.1	0.175
									75	11.35	33.85		25.838	217.0	0.242

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 120045

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
27 43.0 N	115 33.0 W	07/13/72	1000 GMT	2321 M	290	09 KT									
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	16.07	33.68		24.738	321.6	0.000
									10	15.98	33.68		24.758	319.7	0.032
									20	15.48	33.71		24.893	306.8	0.065
									30	14.22	33.60		25.081	289.0	0.093
									50	11.95	33.53		25.479	251.1	0.148
									75	11.40	33.65		25.674	232.6	0.205
									100	11.02	33.94		25.968	204.6	0.263
									125	11.49	34.37		26.215	181.1	0.312
									150	11.32	34.44		26.501	173.0	0.357
									200	11.21	34.59		26.438	160.0	0.443
									250	11.00	34.68		26.546	149.8	0.523
									300	10.37	34.63		26.619	142.3	0.599
									400	9.30	34.57		26.753	130.4	0.743
									500	9.01	34.47		26.877	118.3	0.875
									600	6.88	34.43		27.008	105.9	0.997
									700	5.85	34.40		27.119	95.3	1.106
									800	5.16	34.43		27.227	85.2	1.206
									1000	4.23	34.50		27.387	70.0	1.360

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

120045

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 43.0 N	115 33.0 W	07/13/72	1059 GMT		2321 M	290	09 KT		310 01 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	15.95	33.689	5.78	0.34	3.	0.04	0.0	318.4	0	15.95	33.689	5.78	24.772	318.4	0.000
10	15.95	33.686	5.78	0.30	3.	0.00	0.0	318.6	10	15.95	33.686	5.78	24.770	318.6	0.032
29	15.31	33.743	5.48	0.49	4.	0.06	0.2	300.8	20	15.76	33.725	5.62	24.842	311.7	0.063
52	12.50	33.575	5.94	0.94	10.	0.10	5.2	257.8	30	15.19	33.734	5.41	24.975	299.0	0.094
66	11.66	33.610	3.92	1.09	13.	0.05	9.5	240.1	50	12.75	33.587	4.06	25.368	261.6	0.150
81	11.27	33.663	3.83	1.26	16.	0.03	13.1	229.4	75	11.39	33.637	3.87	25.665	233.4	0.213
95	10.92	33.775	3.36	1.49	19.	0.03	17.2	215.1	100	10.87	33.827	3.22	25.906	210.5	0.269
123	10.65	34.023	2.42	1.93	26.	0.02	22.4	192.3	125	10.72	34.057	2.29	26.111	191.0	0.319
146	11.48	34.387	1.06	2.35	32.	0.01		179.7	150	11.44	34.400	1.03	26.247	178.1	0.366
169	11.27	34.443	0.91	2.49	34.	0.03	26.6	171.9	200	11.13	34.518	0.63	26.397	163.8	0.454
202	11.12	34.523	0.61	2.60	36.	0.01	27.0	163.4	250	11.02	34.637	0.23	26.508	153.3	0.556
261	10.99	34.656	0.16	2.84	41.	0.01	26.4	151.4	300	10.62	34.654	0.16	26.593	145.3	0.614
353	9.97	34.603	0.16	2.90	46.	0.02	27.5	138.3	400	9.43	34.565	0.19	26.728	132.4	0.760
444	8.90	34.529	0.22	2.98	56.	0.02	30.6	127.0	500	8.15	34.490	0.22	26.872	118.8	0.894
569	7.23	34.452	0.22	3.13	70.	0.01	35.5	108.9	600	6.86	34.435	0.23	27.014	105.3	1.015
714	5.71	34.401	0.30	3.23	91.	0.01	40.7	93.6	700	5.83	34.403	0.29	27.124	94.9	1.124
858	4.77	34.443	0.42	3.27	106.	0.00	44.2	79.9	800	5.09	34.421	0.37	27.228	85.1	1.224
1068	4.00	34.496	0.63	3.27		0.01	44.5	68.1	1000	4.17	34.481	0.56	27.378	70.8	1.398

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

120050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 33.0 N	115 53.0 W	07/13/72	1348 GMT		4116 M	360	16 KT	2	310 03 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	17.99	33.71							24.308	362.5	0.000				
10	17.95	33.71							24.318	361.6	0.036				
20	17.34	33.65							24.419	352.0	0.072				
30	16.63	33.73							24.648	330.2	0.106				
50	13.89	33.65							25.188	278.7	0.167				
75	11.36	33.89							25.867	214.2	0.229				
100	12.13	34.41							26.126	189.6	0.280				
125	11.69	34.46							26.248	178.0	0.327				
150	11.52	34.54							26.342	169.1	0.371				
200	10.94	34.63							26.518	152.4	0.454				
250	9.99	34.55							26.622	142.5	0.530				
300	9.80	34.59							26.636	136.5	0.602				
400	8.38	34.51							26.852	120.7	0.733				
500	7.27	34.47							26.985	108.1	0.860				
600	6.51	34.45							27.073	99.7	0.972				
700	5.68	34.46							27.188	88.9	1.075				
800	5.17	34.47							27.257	82.3	1.170				
1000	4.16	34.50							27.394	69.3	1.341				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

120060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 13.0 N	116 30.5 W	07/13/72	1816 GMT		3737 M	350	11 KT	2	330 02 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.11	33.70							24.022	389.9	0.000				
10	19.03	33.70							24.042	387.9	0.039				
20	18.68	33.75							24.169	375.9	0.077				
30	17.10	33.73							24.538	340.7	0.113				
50	13.38	33.54							25.208	276.9	0.175				
75	11.83	33.84							25.741	226.1	0.238				
100	10.96	33.97							26.002	201.4	0.292				
125	10.31	34.04							26.171	185.4	0.341				
150	10.04	34.21							26.349	168.4	0.386				
200	9.52	34.32							26.522	152.0	0.468				
250	9.09	34.37							26.631	141.7	0.544				
300	8.55	34.38							26.724	132.8	0.615				
400	7.70	34.43							26.892	117.0	0.746				
500	6.53	34.40							27.031	103.7	0.863				
600	5.81	34.41							27.132	94.1	0.970				
700	5.34	34.44							27.213	86.4	1.068				
800	4.85	34.46							27.287	79.5	1.160				
1000	4.09	34.52							27.417	67.1	1.325				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

120060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 13.0 N	116 30.5 W	07/13/72	1935	GMT	3737 M	350	11 KT	2	330 02 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	19.04	33.709	5.57	0.10A	1.A	0.01A	0.1A	387.5	0	19.04	33.709	5.57	24.047	387.5	0.000
11	18.99	33.707	5.58	0.11	1-	0.01	0.1	386.4	10	18.99	33.707	5.58	24.057	386.5	0.039
31	16.60	33.583	5.75	0.24	3-	0.00	0.1	340.5	20	18.16	33.654	5.66	24.224	370.6	0.077
56	12.36	33.591	3.93	0.84	11-	0.01	5.2	254.0	30	16.77	33.589	5.74	24.508	343.5	0.112
70	11.67	33.712	3.40	0.96	17-	0.00	14.6	232.7	50	13.27	33.559	6.42	25.245	273.3	0.174
85	11.25	33.920	2.93	1.19	23-	0.00	20.6	210.1	75	11.51	33.784	3.24	25.758	224.6	0.237
100	10.91	34.004	2.43	1.68	24-	0.00	20.7	198.1	100	10.91	34.004	2.43	26.037	198.1	0.290
130	10.26	34.088	2.33	1.84	29-	0.00	24.6	181.0	125	10.36	34.076	2.35	26.190	183.5	0.339
154	9.95	34.201	1.91	2.20	34-	0.00	26.0	167.6	150	9.97	34.180	2.00	26.356	169.6	0.383
179	10.25	34.358	1.17	2.37	38-	0.00	27.5	160.9	200	9.80	34.334	1.26	26.486	155.4	0.467
213	9.42	34.297	1.32	2.36	42-	0.00	28.8	152.1	250	8.94	34.320	1.05	26.616	143.0	0.543
276	8.71	34.353	0.77	2.10U	54-	0.00	34.0	137.2	300	8.44	34.362	0.65	26.727	132.5	0.615
374	7.64	34.369	0.43	2.81	62-	0.01	35.1	120.7	400	7.38	34.367	0.39	26.889	117.2	0.746
470	6.73	34.365	0.34	2.91	74-	0.00	39.2	102.8	500	6.49	34.371	0.31	27.014	105.4	0.864
601	5.81	34.401	0.25	3.21	87-	0.00	40.4	94.8	600	5.82	34.401	0.25	27.124	94.8	0.972
751	5.07	34.441	0.30	3.12	101-	0.00	41.7	87.4	700	5.30	34.428	0.28	27.209	86.9	1.071
898	4.40	34.476	0.48	3.27	113-	0.00	45.8	75.6	800	4.83	34.453	0.35	27.283	79.9	1.165
1105	3.79	34.515	0.78	2.96U	124-	0.00	42.6U	64.6	1000	4.05	34.497	0.62	27.403	68.4	1.529

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

120070

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
26 52.0 N	117 9.5 W	07/14/72	0003	GMT	3926 M	330	11 KT	1	340 01 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.46	33.69							23.925	399.1	0.000				
10	19.13	33.68							24.002	391.4	0.040				
20	17.54	33.51							24.265	366.7	0.078				
30	17.16	33.49							24.340	359.5	0.114				
50	14.85	33.42							24.609	314.9	0.192				
75	13.66	33.46							25.089	288.2	0.257				
100	12.05	33.44							25.421	256.6	0.376				
125	10.91	33.64							25.754	224.9	0.587				
150	10.46	33.87							26.012	200.4	0.441				
200	9.10	34.01							26.349	168.5	0.555				
250	8.35	34.05							26.497	154.4	0.618				
300	7.43	34.11							26.660	137.1	0.693				
400	7.22	34.30							26.858	120.1	0.777				
500	6.58	34.39							27.017	105.1	0.946				
600	5.92	34.42							27.126	94.7	1.054				
700	5.42	34.43							27.196	88.1	1.154				
800	4.89	34.47							27.290	79.2	1.246				
1000	4.01	34.52							27.426	66.3	1.439				

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

120080

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
26 33.0 N	117 49.0 W	07/14/72	0647	GMT	3926 M	340	11 KT	1	340 01 03						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
0	19.15	33.65							23.974	394.4	0.000				
10	19.27	33.89							24.126	379.9	0.039				
20	19.47	34.13							24.257	367.4	0.076				
30	19.36	34.11							24.270	366.2	0.113				
50	16.91	34.04							24.331	360.3	0.186				
75	15.66	33.49							24.665	326.7	0.272				
100	13.56	33.54							25.171	280.4	0.349				
125	11.82	33.60							25.557	243.6	0.415				
150	10.93	33.72							25.813	219.3	0.474				
200	10.39	34.19							26.275	175.5	0.574				
250	9.76	34.38							26.526	151.7	0.658				
300	9.19	34.36							26.622	142.5	0.735				
400	7.94	34.40							26.833	122.5	0.874				
500	6.87	34.42							27.001	106.5	0.995				
600	6.21	34.44							27.105	96.7	1.105				
700	5.64	34.46							27.193	88.4	1.206				
800	5.12	34.44							27.271	81.0	1.300				
1000	4.29	34.52							27.397	69.0	1.469				

A) THE NUTRIENT SAMPLES FOR THIS STATION WERE DETERMINED 4/4 HOURS AFTER HAVING BEEN FROZEN.

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 123037

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
27 24.5 N	114 40.0 W	07/12/72	1200 GMT		73 M	310	01 KT		290 01 06							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
						0	14.05	33.93		25.370	261.4	0.000				
						10	13.74	33.91		25.420	256.7	0.026				
						20	12.56	34.01		25.733	226.9	0.050				
						30	12.43	34.13		25.851	215.7	0.072				
						50	12.37	34.20		25.917	209.5	0.115				

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 123050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 58.0 N	115 31.0 W	07/12/72	0403 GMT		3357 M	320	20 KT		330 03 05							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
						0	18.46	33.70		24.185	374.3	0.000				
						10	18.35	33.70		24.212	371.7	0.037				
						20	18.10	33.70		24.274	365.8	0.074				
						30	18.00	33.68		24.283	364.9	0.111				
						50	14.45	33.53		24.978	298.7	0.177				
						75	12.14	33.57		25.474	251.6	0.247				
						100	11.33	33.77		25.780	222.5	0.306				
						125	10.52	33.91		26.033	198.4	0.360				
						150	10.28	34.13		26.246	178.2	0.407				
						200	9.84	34.29		26.445	159.3	0.494				
						250	9.52	34.41		26.592	145.3	0.572				
						300	8.83	34.41		26.704	134.8	0.645				
						400	7.86	34.42		26.860	119.9	0.779				
						500	6.87	34.38		26.970	109.5	0.901				
						600	6.35	34.45		27.095	97.7	1.012				
						700	5.66	34.46		27.191	88.6	1.114				
						800	5.14	34.48		27.269	81.2	1.208				
						1000	4.31	34.53		27.402	68.6	1.377				

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 123050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 38.5 N	116 9.0 W	07/11/72	2326 GMT		3926 M	320	15 KT	1	330 04 05							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
						0	19.30	33.72		23.989	393.0	0.000				
						10	19.17	33.73		24.029	389.1	0.039				
						20	19.05	33.73		24.060	386.2	0.078				
						30	18.59	33.72		24.168	375.9	0.116				
						50	16.88	33.59		24.482	346.0	0.189				
						75	14.56	33.49		24.924	303.9	0.270				
						100	12.52	33.50		25.347	263.7	0.342				
						125	11.32	33.74		25.758	224.6	0.403				
						150	10.65	33.93		26.026	199.1	0.457				
						200	10.50	34.31		26.347	168.6	0.551				
						250	10.25	34.49		26.531	151.2	0.633				
						300	9.55	34.48		26.645	140.3	0.709				
						400	8.26	34.46		26.831	122.7	0.847				
						500	7.14	34.44		26.980	108.6	0.971				
						600	6.19	34.42		27.092	98.0	1.082				
						700	5.54	34.44		27.189	88.7	1.184				
						800	4.97	34.46		27.273	80.8	1.278				
						1000	4.15	34.51		27.403	68.5	1.445				

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 127034

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 55.0 N	114 6.5 W	07/11/72	0503 GMT		84 M	310	14 KT		270 04 04							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
						0	16.34	33.90		24.845	311.4	0.000				
						10	16.33	33.90		24.847	311.2	0.031				
						20	15.22	33.82		25.035	293.3	0.061				
						30	13.60	33.91		25.448	254.0	0.089				
						50	12.65	34.24		25.893	211.7	0.136				

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 127040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
26 43.5 N	114 29.0 W	07/11/72	0823 GMT	3263 M	310	10 KT			0	18.46	33.66	24.155	377.2	0.000	
									10	18.45	33.67	24.165	376.2	0.038	
									20	17.59	33.62	24.337	359.8	0.075	
									30	15.77	33.51	24.675	327.6	0.109	
									50	13.18	33.41	25.156	281.9	0.170	
									75	12.80	33.79	25.516	247.5	0.237	
									100	11.83	34.01	25.873	213.6	0.295	
									125	11.45	34.18	26.075	194.4	0.347	
									150	11.19	34.35	26.255	177.3	0.394	
									200	10.85	34.52	26.449	159.0	0.460	
									250	10.49	34.58	26.559	146.5	0.559	
									300	10.00	34.58	26.644	140.4	0.635	
									400	8.79	34.53	26.804	125.3	0.774	
									500	7.65	34.50	26.954	111.1	0.901	
									600	6.62	34.47	27.075	99.6	1.015	
									700	5.85	34.46	27.167	90.9	1.119	
									800	5.29	34.49	27.259	82.1	1.215	
									1000	4.32	34.53	27.401	68.7	1.385	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 127050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
26 23.0 N	115 7.0 W	07/11/72	1353 GMT	3451 M	340	15 KT			0	18.89	33.68	24.063	386.0	0.000	
									10	18.90	33.69	24.068	385.5	0.039	
									20	18.88	33.69	24.085	383.8	0.077	
									30	17.04	33.48	24.381	357.5	0.114	
									50	15.67	33.40	24.613	335.5	0.184	
									75	13.29	33.35	25.079	289.1	0.262	
									100	11.50	33.49	25.532	246.1	0.329	
									125	10.64	33.79	25.919	209.5	0.347	
									150	10.32	34.03	26.161	186.3	0.437	
									200	10.70	34.50	26.460	157.9	0.525	
									250	10.44	34.58	26.568	147.7	0.604	
									300	9.86	34.56	26.652	139.7	0.679	
									400	8.66	34.50	26.801	125.0	0.818	
									500	7.66	34.46	26.921	114.2	0.946	
									600	6.57	34.44	27.058	101.2	1.062	
									700	5.68	34.43	27.164	91.1	1.167	
									800	5.15	34.47	27.260	82.1	1.263	
									1000	4.20	34.51	27.398	69.0	1.435	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 127060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
26 4.0 N	115 46.0 W	07/11/72	1833 GMT	732 M	320	12 KT			0	19.69	33.90	24.025	389.5	0.000	
									10	19.64	33.90	24.039	388.3	0.039	
									20	19.58	33.90	24.054	388.5	0.078	
									30	19.15	33.86	24.154	379.2	0.116	
									50	17.81	33.81	24.477	346.5	0.189	
									75	16.19	33.69	24.718	323.5	0.275	
									100	15.32	33.49	25.181	276.4	0.349	
									125	11.63	33.63	25.616	236.1	0.414	
									150	10.76	33.91	25.991	212.5	0.470	
									200	10.21	34.25	26.351	182.2	0.565	
									250	10.06	34.42	26.509	153.2	0.648	
									300	9.53	34.44	26.614	143.3	0.725	
									400	8.43	34.47	26.813	124.4	0.865	
									500	7.29	34.45	26.966	109.9	0.940	
									600	6.36	34.44	27.086	96.6	1.103	
									700	5.63	34.46	27.194	83.3	1.205	
									800	5.19	34.49	27.271	61.1	1.245	
									1000	4.20	34.52	27.406	68.2	1.467	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 130120

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
26 32.5 N	115 21.0 W	07/10/72	2252 GMT	58 M	270	20 KT			0	19.22	34.08	24.283	364.9	0.000	
									10	18.23	34.08	24.552	341.3	0.075	
									20	14.62	34.02	25.319	266.3	0.066	
									30	12.69	34.04	25.731	227.1	0.070	
									50	12.81	34.05	25.947	206.6	0.134	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

130028

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 32.5 N	113 21.0 W	07/10/72	2329 GMT	58 M	270	20 KT	0	0	290 05 04
0	19.05	34.094	5.95	0.45	10.	0.05	0.3	359.8	0 19.05 34.094 5.95 24.337 359.8 0.000
10	18.39	34.092	5.32	0.63	11.	0.09	1.8	344.1	10 18.39 34.092 5.32 24.501 344.1 0.035
20	13.49	34.022	2.00	1.83	20.	0.73	17.3	243.7	20 13.49 34.022 2.00 25.557 243.7 0.065
30	12.60	34.070	1.27	2.17	22.	0.12	23.3	223.2	30 12.60 34.070 1.27 25.772 223.2 0.088
40	12.67	34.192	0.47	2.56	27.	0.03	25.6	215.6	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

130030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 29.0 N	113 29.0 W	07/10/72	2112 GMT	80 M	270	11 KT	0	0	300 05 03
0	18.80	34.12				24.420	351.9	0.000	
10	17.61	33.86				24.515	342.8	0.035	
20	14.97	33.98				25.213	276.4	0.066	
30	13.22	34.16				25.718	228.3	0.091	
50	12.65	34.36				25.986	202.9	0.134	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

130040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 9.0 N	114 7.0 W	07/10/72	1429 GMT	2321 M	010	16 KT	2	2	340 04 04
0	19.04	33.65				24.002	391.8	0.000	
10	19.04	33.66				24.009	391.1	0.039	
20	18.78	33.64				24.060	386.3	0.078	
30	16.55	33.68				24.628	332.1	0.114	
50	14.07	33.66				25.158	281.6	0.176	
75	12.72	33.74				25.493	249.7	0.242	
100	11.85	34.07				25.916	209.6	0.300	
125	11.60	34.30				26.141	188.2	0.351	
150	11.89	34.58				26.303	172.8	0.397	
200	11.21	34.60				26.445	159.3	0.482	
250	10.65	34.62				26.562	148.2	0.561	
300	10.07	34.57				26.624	142.3	0.637	
400	8.73	34.52				26.806	125.1	0.778	
500	7.74	34.50				26.941	112.3	0.905	
600	6.75	34.48				27.065	100.5	1.020	
700	5.88	34.47				27.171	90.5	1.124	
800	5.28	34.48				27.232	82.8	1.220	
1000	4.31	34.52				27.394	69.3	1.392	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

130040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
26 9.0 N	114 7.0 W	07/10/72	1534 GMT	2321 M	010	16 KT	2	2	340 04 04
1	18.98	33.662	5.54	0.17	2.	0.00	0.1	389.5	0 18.98 33.662 5.54 24.026 389.5 0.000
11	18.97	33.660	5.62	0.18	2.	0.00	0.0	389.4	10 18.97 33.660 5.62 24.027 389.4 0.039
32	15.76	33.639	5.44	0.28	4.	0.00	0.0	317.9	20 18.78 33.635 5.54 24.056 386.6 0.078
55	13.82	33.740	4.03	0.95	10.	0.02	6.5	270.8	30 16.33 33.629 5.46 24.640 330.9 0.114
70	13.30	33.857	3.32					252.1	50 13.97 33.718 4.37 25.224 275.4 0.175
85	11.74	33.715	3.62	1.31	15.	0.01	12.7	233.7	75 12.74 33.792 3.47 25.529 246.3 0.240
99	11.84	34.049	2.14	1.91	23.	0.01	21.0	210.9	100 11.83 34.061 2.12 25.913 209.9 0.298
128	11.45	34.251	1.47	2.24	29.	0.00	25.0	199.2	125 11.49 34.242 1.54 26.116 190.5 0.348
152	11.77	34.519	0.68	2.51	33.	0.01	27.0	175.1	150 11.75 34.500 0.74 26.268 176.1 0.395
177	11.24	34.516	0.64	2.56	36.	0.01	27.6	166.0	200 10.92 34.552 0.63 26.460 157.9 0.481
210	10.82	34.571	0.62	2.67	39.	0.01	27.8	154.7	250 10.50 34.600 0.55 26.572 147.3 0.560
271	10.35	34.600	0.50	2.77	43.	0.01	27.5	144.7	300 10.01 34.587 0.40 26.647 140.1 0.634
370	9.08	34.530	0.20	2.87	51.	0.01	29.7	129.6	400 8.69 34.509 0.20 26.804 125.3 0.774
467	7.88	34.473	0.19	3.01	63.	0.00	33.1	116.?	500 7.58 34.469 0.18 26.940 112.4 0.901
597	6.82	34.471	0.17	3.10	74.	0.00	34.2	102.1	600 6.79 34.471 0.17 27.052 101.8 1.017
750	5.57	34.468	0.22	3.28	92.	0.00	42.1	87.0	700 5.95 34.468 0.19 27.160 91.5 1.123
897	4.78	34.475	0.36	3.26	106.	0.00	43.1	77.6	800 5.27 34.469 0.26 27.245 83.5 1.220
1106	3.93	34.515	0.61	3.21	124.	0.00	45.4	65.?	1000 4.32 34.491 0.48 27.370 71.6 1.394

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 130050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
25 49.0 N	114 46.0 W	07/10/72	D938 GMT		3641 M	35G	20 KT	2	320 03 05						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
									0	19.95	33.82	23.897	401.8	0.000	
									10	19.96	33.82	23.894	402.0	0.040	
									20	18.26	33.76	24.250	365.2	0.079	
									30	17.26	33.73	24.500	344.3	0.114	
									50	15.49	33.68	24.866	309.2	0.140	
									75	13.59	33.75	25.327	265.6	0.252	
									100	13.29	34.13	25.681	231.9	0.315	
									125	11.84	34.16	25.927	202.6	0.370	
									150	11.54	34.39	26.214	181.3	0.419	
									200	10.79	34.46	26.413	162.4	0.507	
									250	10.52	34.58	26.554	149.0	0.587	
									300	9.98	34.57	26.640	140.9	0.662	
									400	8.56	34.50	26.817	124.0	0.802	
									500	7.42	34.50	26.987	107.9	0.926	
									600	6.59	34.49	27.087	98.5	1.037	
									700	5.77	34.46	27.177	89.9	1.141	
									800	5.21	34.47	27.253	82.7	1.236	
									1000	4.31	34.51	27.386	70.1	1.408	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 130060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
25 29.0 N	115 24.0 W	07/10/72	D315 GMT		3737 M	340	19 KT	2	340 03 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
									0	19.28	33.67	23.956	394.1	0.000	
									10	19.27	33.67	23.958	395.9	0.040	
									20	19.04	33.65	24.002	391.6	0.079	
									30	18.37	33.66	24.177	375.1	0.117	
									50	16.44	33.65	24.615	337.3	0.149	
									75	14.24	33.49	24.992	297.4	0.266	
									100	12.31	33.42	25.325	265.7	0.339	
									125	11.26	33.76	25.785	222.0	0.400	
									150	12.05	34.23	25.996	202.7	0.454	
									200	10.66	34.29	26.304	172.7	0.550	
									250	10.00	34.40	26.504	153.7	0.654	
									300	9.63	34.43	26.636	141.2	0.711	
									400	8.49	34.48	26.812	124.5	0.850	
									500	7.42	34.46	26.956	110.9	0.976	
									600	6.45	34.45	27.081	98.9	1.089	
									700	5.67	34.47	27.197	88.0	1.191	
									800	5.14	34.49	27.277	80.4	1.255	
									1000	4.20	34.53	27.413	67.5	1.452	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 130060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
25 29.0 N	115 24.0 W	07/10/72	D41R GMT		3737 M	340	19 KT	2	340 03 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
0	19.25	33.688	5.59	0.07	0.	0.00	6.1	394.1	0	19.25	33.688	5.59	23.977	394.1	0.000
10	19.25	33.684	5.63	0.08	1-	0.01	0.2	394.4	10	19.25	33.684	5.63	23.974	394.4	0.039
29	18.45	33.674	5.64	0.08	3-	0.01	0.0	375.0	20	18.94	33.681	5.64	24.050	387.1	0.079
53	16.40	33.641	5.66	0.26	1-	0.00	0.3	331.6	30	18.38	33.675	5.65	24.185	374.3	0.117
67	14.84	33.545	5.73	0.32	2-	0.00		305.5	50	16.71	33.650	5.84	24.568	337.8	0.188
82	13.67	33.458	5.67	0.40	4-	0.09	0.0	288.5	75	14.18	33.494	5.71	25.008	295.9	0.268
97	12.56	33.442	5.66	0.66	5-	0.14	4.1	268.7	100	12.38	33.449	5.18	25.335	264.8	0.338
126	11.52	33.462	5.69	1.26	14-	0.02	12.3	232.3	125	11.53	33.666	5.76	25.664	235.5	0.401
150	12.07	34.200	1.62	2.11	27-	0.00	22.0	204.0	150	12.07	34.210	1.62	25.975	204.0	0.457
174	12.00	34.386	1.09	2.39	29-	0.00	25.6	189.0	200	11.00	34.325	1.30	26.269	176.0	0.554
208	10.65	34.291	1.42	2.37	33-	0.00	26.4	172.5	250	10.01	34.369	1.16	26.478	156.2	0.640
222	9.88	34.434	0.94	2.61	43-	0.00	28.7	149.3	300	9.57	34.452	0.74	26.617	143.0	0.717
369	6.53	34.452	0.36	2.85	51-	0.00	32.5	171.6	400	6.52	34.456	0.29	26.799	126.7	0.859
467	7.25	34.459	0.22	3.02	62-	0.04	34.8	116.0	500	7.50	34.454	0.21	26.940	112.3	0.956
599	6.50	34.442	0.20	3.20	79-	0.01	39.7	100.2	600	6.49	34.442	0.20	27.070	100.1	1.101
749	5.43	34.455	0.25	3.28	95-	0.01	46.30	98.1	700	5.74	34.449	0.23	27.172	90.4	1.205
893	4.65	34.46	0.36	3.27	107-	0.01	46.6	75.9	800	5.13	34.463	0.28	27.257	82.3	1.300
1091	3.44	34.515	0.64	3.27	125-	0.01	47.7	66.0	1000	4.21	34.500	0.48	27.350	69.4	1.472

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 133125

LATITUDE	LONGITUDE	MO/DAY/YR	MESSANGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
26 4.5 N	112 48.0 W	07/09/72	D447 GMT		84 M	280	12 KT	0	310 03 04						
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	00
									0	19.71	34.11	24.180	374.8	0.000	
									10	15.80	35.85	24.222	370.5	0.037	
									20	14.39	33.83	25.222	275.6	0.070	
									30	17.43	34.02	25.568	242.7	0.096	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 133030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 54.5 N		113 7.5 W		07/09/72	0715 GMT	225 M	310	16 KT	0	300 04 05					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	18.60	33.87	24.280	365.2	0.000	
									10	17.90	33.69	24.315	361.9	0.036	
									20	14.70	33.59	24.971	299.4	0.069	
									30	14.01	33.66	25.171	280.4	0.099	
									50	12.99	33.81	25.494	249.6	0.152	
									75	12.53	34.20	25.886	212.4	0.210	
									100	12.66	34.45	26.054	196.5	0.262	
									125	12.38	34.59	26.217	181.0	0.309	
									150	12.35	34.62	26.246	178.2	0.355	
									200	11.98	34.66	26.348	168.5	0.444	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 133040

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 34.5 N		113 45.5 W		07/09/72	1247 GMT	3357 M	320	18 KT	1	310 03 04					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	18.08	33.61	24.210	371.9	0.000	
									10	16.37	33.47	24.509	343.4	0.036	
									20	15.51	33.64	24.833	312.6	0.069	
									30	14.66	33.73	25.088	288.3	0.099	
									50	13.74	33.90	25.412	257.5	0.154	
									75	13.12	34.18	25.754	225.0	0.214	
									100	12.96	34.52	26.048	197.0	0.268	
									125	12.36	34.60	26.228	179.9	0.315	
									150	12.31	34.68	26.300	173.1	0.360	
									200	11.64	34.71	26.451	158.7	0.446	
									250	10.95	34.66	26.539	150.4	0.525	
									300	10.45	34.65	26.620	142.7	0.602	
									400	9.13	34.57	26.781	127.4	0.744	
									500	7.83	34.50	26.927	113.6	0.873	
									600	6.57	34.46	27.073	99.7	0.988	
									700	5.75	34.46	27.179	89.7	1.092	
									800	5.19	34.45	27.263	81.7	1.187	
									1000	4.31	34.52	27.394	69.3	1.357	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 133050

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 14.5 N		114 24.0 W		07/09/72	1723 GMT	3737 M	320	14 KT	1	320 04 04					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	20.21	33.82	23.829	408.3	0.000	
									10	20.17	33.81	23.832	408.0	0.041	
									20	19.04	33.79	24.108	381.6	0.080	
									30	16.24	33.71	24.722	323.1	0.116	
									50	13.16	33.66	25.344	263.9	0.175	
									75	11.83	33.78	25.695	230.6	0.237	
									100	12.53	34.37	26.017	199.9	0.291	
									125	11.59	34.33	26.166	185.8	0.340	
									150	10.86	34.30	26.276	175.4	0.386	
									200	10.57	34.54	26.514	152.8	0.470	
									250	10.15	34.55	26.595	145.1	0.547	
									300	9.58	34.53	26.676	137.4	0.620	
									400	6.41	34.51	26.848	121.1	0.757	
									500	7.23	34.47	26.990	107.6	0.879	
									600	6.37	34.47	27.108	96.5	0.989	
									700	5.77	34.48	27.193	88.4	1.090	
									800	5.25	34.50	27.272	80.9	1.184	
									1000	4.28	34.53	27.405	68.3	1.353	

RV DAVID STARR JORDAN CALCOFI CRUISE 7207 133060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENDER TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
24 54.5 N		115 2.0 W		07/09/72	2223 GMT	4021 M	320	18 KT	2	310 04 03					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	19.97	33.76	23.846	406.6	0.000	
									10	19.93	33.76	23.857	405.6	0.041	
									20	19.55	33.87	24.039	388.2	0.080	
									30	17.94	33.80	24.389	354.8	0.118	
									50	16.41	33.67	24.653	329.7	0.186	
									75	14.87	33.63	24.966	299.9	0.265	
									100	13.68	33.65	25.231	274.6	0.338	
									125	12.35	33.76	25.581	241.4	0.403	
									150	11.86	34.18	25.999	201.7	0.459	
									200	10.39	34.28	26.343	169.0	0.554	
									250	10.12	34.46	26.530	151.2	0.636	
									300	9.40	34.48	26.667	138.3	0.712	
									400	8.34	34.49	26.843	121.6	0.848	
									500	7.30	34.46	26.973	109.2	0.971	
									600	6.62	34.47	27.075	99.6	1.084	
									700	5.79	34.47	27.182	89.4	1.188	
									800	5.20	34.49	27.270	81.1	1.282	
									1000	4.30	34.53	27.403	68.5	1.451	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137023

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
25 33.5 N	112 19.0 W	07/08/72	2211 GMT		73 M	280	12 KT	0	280 03 04				
Z	T	S	02	P04 S103	N02 N03	DT	Z	T	S	02	SIGT	DT	DD
							0	21.23	34.24		23.874	403.9	0.000
							10	19.97	34.20		24.194	373.5	0.039
							20	15.59	33.92		25.030	293.6	0.072
							30	14.71	34.07		25.338	264.5	0.100
							50	15.06	34.52		25.808	238.8	0.151

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137023

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
25 33.5 N	112 19.0 W	07/08/72	2245 GMT		73 M	280	12 KT	0	280 03 04						
Z	T	S	02	P04 S103	N02 N03	DT	Z	T	S	02	SIGT	DT	DD		
0	21.69	34.278	3.28	0.45	8.	0.02	0.2	413.2	0	21.69	34.278	3.28	23.777	413.2	0.000
10	20.36	34.250	3.47	0.42	8.	0.02	0.0	340.9	10	20.36	34.250	3.47	24.116	380.9	0.040
20	16.49	34.051	2.15	1.00	11.	0.56	5.9	363.7	20	16.49	34.051	2.15	24.926	303.7	0.074
30	15.38	34.132	1.59	1.55	14.	0.72	15.6	277.9	30	15.38	34.132	1.59	25.239	273.9	0.113
50	15.31	34.156	0.84	2.24	22.	0.43	21.5	245.1	50	15.31	34.156	0.84	25.542	245.1	0.155

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137030

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
25 2.0 N	112 40.0 W	07/08/72	1828 GMT		371 M	330	15 KT	0	290 03 04				
Z	T	S	02	P04 S103	N02 N03	DT	Z	T	S	02	SIGT	DT	DD
							0	20.22	34.02		23.978	394.0	0.000
							10	19.01	33.82		24.139	378.7	0.039
							20	15.00	33.50		24.838	312.1	0.073
							30	13.90	33.57		25.125	284.2	0.103
							50	12.58	33.96		25.632	236.6	0.155
							75	12.64	34.19		25.857	215.2	0.212
							100	12.62	34.53		26.124	189.8	0.264
							125	12.38	34.62		26.240	176.6	0.310
							150	12.09	34.64		26.311	172.0	0.355
							200	11.69	34.66		26.403	163.3	0.441
							250	11.25	34.65		26.477	156.3	0.524
							300	10.92	34.63		26.522	152.1	0.604

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
25 0.0 N	113 23.5 W	07/08/72	1150 GMT		3452 M	300	12 KT	0	290 03 04				
Z	T	S	02	P04 S103	N02 N03	DT	Z	T	S	02	SIGT	DT	DD
							0	19.76	33.73		23.876	403.6	0.000
							10	19.72	33.75		23.904	401.1	0.040
							20	19.03	33.97		24.172	375.6	0.379
							30	15.65	33.77		24.902	306.0	0.113
							50	13.34	33.53		25.205	276.9	0.172
							75	12.24	33.83		25.656	234.3	0.256
							100	11.98	34.20		25.992	202.4	0.291
							125	12.27	34.56		26.215	181.2	0.340
							150	12.08	34.67		26.337	169.6	0.385
							200	11.21	34.68		26.507	153.4	0.467
							250	10.75	34.66		26.575	147.0	0.545
							300	10.29	34.65		26.649	140.0	0.620
							400	9.11	34.57		26.716	127.1	0.761
							500	7.65	34.49		26.946	111.1	0.886
							600	6.84	34.49		27.053	101.7	1.004
							700	6.13	34.50		27.163	91.2	1.110
							800	5.41	34.50		27.253	82.7	1.207
							1000	4.40	34.52		27.364	70.3	1.379

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137161

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
25 0.0 N	113 23.5 W	07/08/72	1301 GMT		3452 M	300	12 KT	0	290 03 04						
Z	T	S	02	P04 S103	N02 N03	DT	Z	T	S	02	SIGT	DT	DD		
1	19.74	33.755	5.52	0.23	3.	0.01	0.1	401.5	0	19.74	33.755	5.52	23.876	403.6	0.000
11	19.94	33.777	5.58	0.22	3.	0.01	0.0	397.2	10	19.65	33.775	5.57	23.941	397.6	0.040
31	14.94	33.641	4.76	0.47	5.	0.61	0.3	300.6	20	17.72	35.703	5.25	24.369	356.9	0.078
56	13.01	33.496	4.53	0.65	6.	0.03	3.0	273.1	30	15.21	33.645	4.81	24.902	306.0	0.111
71	11.87	33.516	4.35	0.89	9.	0.02	7.0	250.7	50						

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137050

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 40.0 N	114 20.0 W	07/08/72	0648 GMT		3737 M	360	12 KT	0	310 02 04

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	20.44	33.86	23.799	411.2	0.000	
									10	19.99	33.81	23.879	403.5	0.041	
									20	19.63	33.89	24.033	388.8	0.080	
									30	18.34	33.78	24.276	365.6	0.118	
									50	15.80	33.55	24.699	325.3	0.188	
									75	13.94	33.50	25.062	290.7	0.265	
									100	11.42	33.50	25.554	244.0	0.332	
									125	11.46	34.05	25.973	204.1	0.389	
									150	11.53	34.37	26.208	181.8	0.438	
									200	11.33	34.63	26.447	159.2	0.525	
									250	10.67	34.61	26.551	149.3	0.605	
									300	10.03	34.60	26.654	139.4	0.680	
									400	8.76	34.55	26.824	123.3	0.819	
									500	7.58	34.51	26.972	109.3	0.943	
									600	6.55	34.49	27.100	97.2	1.055	
									700	5.84	34.48	27.184	89.2	1.157	
									800	5.32	34.51	27.271	81.0	1.252	
									1000	4.36	34.52	27.388	69.9	1.422	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 20.0 N	114 39.5 W	07/08/72	0125 GMT		4116 M	300	05 KT	0	300 03 06

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	21.40	33.78	23.479	441.6	0.000	
									10	19.81	33.73	23.865	404.8	0.042	
									20	19.61	33.78	23.955	396.2	0.082	
									30	19.00	33.70	24.050	387.2	0.122	
									50	17.17	33.64	24.452	348.6	0.196	
									75	15.31	33.64	24.877	308.4	0.278	
									100	13.03	33.68	25.386	259.9	0.350	
									125	12.20	33.99	25.787	221.8	0.411	
									150	11.73	34.27	26.093	192.7	0.463	
									200	11.08	34.45	26.353	168.1	0.556	
									250	10.53	34.56	26.537	150.6	0.638	
									300	9.88	34.55	26.641	140.7	0.714	
									400	8.47	34.48	26.815	124.2	0.853	
									500	7.27	34.47	26.985	108.1	0.977	
									600	6.31	34.47	27.116	95.7	1.087	
									700	5.69	34.49	27.210	86.7	1.187	
									800	5.13	34.49	27.278	80.3	1.280	
									1000	4.23	34.54	27.418	67.0	1.446	

RV DAVID STARR JORDAN

CALCOFI CRUISE 7207

137060

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENDER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES
24 20.0 N	114 39.5 W	07/08/72	0224 GMT		4116 M	300	05 KT	0	300 03 06

Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
1	20.71	33.79	5.47	0.13	2.	0.00	0.1	423.1	0	20.71	33.79	5.47	23.673	423.1	0.000
12	19.71	33.78	5.56	0.15	1.	0.00	0.1	398.7	10	19.81	33.78	5.55	23.890	402.4	0.041
32	18.89	33.77	5.62	0.14	1.	0.00	0.0	379.5	20	19.35	33.78	5.60	24.022	389.8	0.081
56	16.97	33.70	5.57	0.25	4.	0.17	0.2	340.0	30	18.96	33.77	5.62	24.115	380.9	0.120
71	15.59	33.64	4.79	0.39	3.	0.32	2.1	314.3	50	17.51	33.72	5.53	24.432	350.8	0.193
86	14.66	33.61	4.52	0.48	4.	0.02	2.3	297.1	75	15.34	33.63	4.70	24.863	309.7	0.276
100	13.49	33.62	4.08	0.74	9.	0.02	2.7	273.1	100	13.49	33.62	4.08	25.247	273.1	0.349
130	12.39	33.92	2.68	1.57	17.	0.00	16.6	230.4	125	12.49	33.85	2.95	25.626	237.2	0.414
153	11.89	34.25	A	1.37	2.18	28.	0.00	24.5	150	11.95	34.21	1.51	26.008	200.8	0.470
177	11.39	34.30	A	1.31	2.29	32.	0.00	25.6	200	11.09	34.37	1.13	26.286	174.4	0.565
211	10.98	34.40	1.03	2.43	34.	0.00	26.6	170.1	250	10.56	34.49	0.65	26.479	156.1	0.651
273	10.31	34.53	0.45	2.69	42.	0.00	28.5	149.2	300	9.98	34.53	0.30	26.611	143.5	0.729
368	9.08	34.49	0.14	2.90	52.	0.00	30.0	132.6	400	8.62	34.47	0.16	26.787	126.9	0.871
460	7.79	34.45	0.24	3.02	62.	0.00	33.9	116.7	500	7.33	34.44	0.22	26.954	111.0	0.997
587	6.51	34.44	0.17	3.18	77.	0.00	39.3	100.5	600	6.41	34.44	0.17	27.080	99.1	1.111
734	5.51	34.46	0.23	3.40	94.	0.00	43.1	86.9	700	5.71	34.45	0.21	27.179	89.7	1.214
877	4.70	34.49	0.36		108.	0.01	45.1	75.7	800	5.11	34.47	0.29	27.267	81.4	1.309
1085	4.01	34.53	0.56		122.	0.00	45.9	65.6	1000	4.22	34.52	0.48	27.399	68.8	1.478

A) THE SALINITY SAMPLES AT 153 AND 177 METERS APPEAR TO HAVE BEEN REVERSED. THEY ARE ASSUMED TO NOW BE IN THE CORRECT ORDER.

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10 METER DATA

			Z	T	S	02	DT
43.042	07/29/72	0952GMT 41 04.ON 124 22.0W BOTTOM 179M WIND 150 6KTT WEATHER 2 DOMINANT WAVES 6 7	10	10.70	32.919	6.37	274.6
43.045	07/29/72	0754GMT 40 59.ON 124 35.5W BOTTOM 584M WIND 010 19KTT WEATHER DOMINANT WAVES	10	12.89	32.861	6.42	317.5
43.055	07/29/72	0120GMT 40 37.ON 125 1R.0W BOTTOM 2888M WIND 360 21KTT WEATHER 2 DOMINANT WAVES 360 8 6	10	15.18	32.679	6.00	375.9
43.065	07/28/72	1844GMT 40 17.5N 126 05.0W BOTTOM 2785M WIND 010 21KTT WEATHER 2 DOMINANT WAVES 010 7 5	10	15.46	32.650		383.2
47.055	07/27/72	1437GMT 40 03.5N 124 55.5W BOTTOM 1250M WIND 360 25KTT WEATHER 0 DOMINANT WAVES 360 4 5	10	14.60	32.714	6.12	381.5
47.065	07/27/72	2119GMT 39 45.ON 125 3R.5W BOTTOM 3473M WIND 360 21KTT WEATHER 1 DOMINANT WAVES 360 10 5	10	15.30	32.719	5.79	375.4
50.047	07/27/72	0635GMT 39 46.ON 123 54.5W BOTTOM 112M WIND 330 3KTT WEATHER 0 DOMINANT WAVES 310 4 4	10	11.52	33.400	6.70	255.1
50.055	07/27/72	0040GMT 39 30.ON 124 28.0W BOTTOM 2353M WIND 340 28KTT WEATHER 0 DOMINANT WAVES 330 9 4	10	15.16	32.725		372.1
50.065	07/26/72	1641GMT 39 10.5N 125 15.0W BOTTOM 3163M WIND 010 14KTT WEATHER 2 DOMINANT WAVES 330 8 4	10	15.12	32.770	5.99	362.2
50.070	07/26/72	1229GMT 38 59.ON 125 37.5W BOTTOM 3824M WIND 010 14KTT WEATHER 2 DOMINANT WAVES 010 6 6	10	14.70	33.250	6.10	324.2
50.090	07/25/72	2339GMT 38 20.ON 127 05.0W BOTTOM 4531M WIND 350 10KTT WEATHER 1 DOMINANT WAVES 350 2 3	10	15.28	32.840	5.86	376.7
53.052	07/24/72	1728GMT 39 02.ON 123 52.0W BOTTOM 103M WIND 010 9KTT WEATHER 2 DOMINANT WAVES 320 4 5	10	11.74	33.440	6.51	254.0
53.055	07/24/72	1902GMT 38 56.ON 124 04.5W BOTTOM 1202M WIND 340 15KTT WEATHER 1 DOMINANT WAVES 340 4 4	10	12.33	32.892	7.05	304.9
53.065	07/25/72	0217GMT 38 37.5N 124 50.0W BOTTOM 3758M WIND 340 16KTT WEATHER 2 DOMINANT WAVES 340 4 4	10	13.08	32.824	6.36	323.7
53.070	07/25/72	0555GMT 38 26.ON 125 10.5W BOTTOM 3730M WIND 350 23KTT WEATHER 2 DOMINANT WAVES 340 4 4	10	13.94	33.038	6.23	324.6
53.080	07/25/72	1008GMT 38 06.0N 125 55.0W BOTTOM 4222M WIND 340 12KTT WEATHER 2 DOMINANT WAVES 340 4 3	10	15.92	32.893	5.87	375.8
57.051	07/24/72	1315GMT 38 31.ON 123 22.0W BOTTOM 93M WIND 330 9KTT WEATHER 2 DOMINANT WAVES 310 5 4	10	13.38	33.390	7.05	287.2
57.055	07/24/72	1058GMT 38 23.ON 123 39.5W BOTTOM 65MM WIND 330 23KTT WEATHER 2 DOMINANT WAVES 330 4 4	10	12.14	33.321	6.92	269.9
57.065	07/24/72	0331GMT 38 02.ON 124 24.0W BOTTOM 3849M WIND 330 12KTT WEATHER 2 DOMINANT WAVES 340 4 4	10	13.37	33.096	6.49	304.1
57.070	07/23/72	2358GMT 37 52.ON 124 46.0W BOTTOM 4398M WIND 330 14KTT WEATHER 2 DOMINANT WAVES 340 4 4	10	15.36	33.155	6.09	344.8
57.080	07/23/72	1905GMT 37 32.ON 125 29.5W BOTTOM 4270M WIND 350 10KTT WEATHER 2 DOMINANT WAVES 330 4 4	10	15.22	33.249	6.04	335.1
57.090	07/23/72	1340GMT 37 10.5N 126 13.0W BOTTOM 4458M WIND 330 11KTT WEATHER 2 DOMINANT WAVES 330 3 4	10	14.49	32.726	6.17	358.4
60.050	07/20/72	2054GMT 37 57.5N 122 53.0W BOTTOM 45MM WIND 180 8KTT WEATHER 2 DOMINANT WAVES 330 3 4	10	14.16	33.598	6.95	287.1
60.055	07/20/72	1745GMT 37 47.ON 123 15.5W BOTTOM 149M WIND 260 5KTT WEATHER 2 DOMINANT WAVES 290 2 6	10	14.90	33.246	6.16	328.4

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10 METER DATA

	Z	T	S	02	DT
60.065 07/22/72 0708GMT 37 26.5N 123 58.0W BOTTOM 4007M WIND 360 4KT WEATHER 2 DOMINANT WAVES	10	15.24	33.038	6.24	350.9
60.090 07/23/72 0734GMT 36 37.5N 125 46.0W BOTTOM 4531M WIND 350 12KT WEATHER 2 DOMINANT WAVES 320 4 5	10	14.80	33.215	6.66	328.9
63.055 07/20/72 0943GMT 37 13.0N 122 48.0W BOTTOM 233M WIND 240 4KT WEATHER 2 DOMINANT WAVES	10	13.52	33.644	7.04	272.0
63.065 07/20/72 0246GMT 36 51.0N 124 29.0W BOTTOM 3658M WIND 310 9KT WEATHER 2 DOMINANT WAVES 220 4 7	10	15.40	33.342	6.27	332.0
67.048 07/18/72 0535GMT 36 52.0N 121 57.5W BOTTOM 86M WIND 290 6KT WEATHER 2 DOMINANT WAVES	10	14.20	33.707	8.85	280.7
67.055 07/18/72 0922GMT 36 39.0N 122 26.5W BOTTOM 2074M WIND 180 3KT WEATHER DOMINANT WAVES	10	15.36	33.378		328.5
67.065 07/18/72 1520GMT 36 19.0N 123 09.0W BOTTOM 3220M WIND 270 4KT WEATHER 5 DOMINANT WAVES 310 2 10	10	15.22	33.442	6.08	320.9
70.051 07/17/72 2332GMT 36 10.5N 121 45.5W BOTTOM 334M WIND 120 8KT WEATHER 2 DOMINANT WAVES 290 2 7	10	11.80	33.716		234.7
70.065 07/17/72 1340GMT 35 43.0N 122 42.5W BOTTOM 1943M WIND 220 6KT WEATHER 2 DOMINANT WAVES 220 3 7	10	14.76	33.498	6.29	307.3
80.055 07/13/72 0633GMT 34 18.5N 120 48.0W BOTTOM 778M WIND 340 20KT WEATHER 4 DOMINANT WAVES 320 4 4	10	13.42	33.693	5.64	266.5

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10 METER DATA

	Z	T	S	02	DT
73.050 07/06/72 2035GMT 35 37.0N 121 17.0W BOTTOM 93M WIND 230 15KT WEATHER 1 DOMINANT WAVES 230 8 10	10	12.93	33.675		253.4
77.048 07/08/72 0522GMT 35 08.5N 120 43.5W BOTTOM 24M WIND 230 8KT WEATHER 1 DOMINANT WAVES 230 6 8	10	12.46	33.789		241.3
77.051 07/08/72 0729GMT 35 02.0N 120 56.5W BOTTOM 280M WIND 230 8KT WEATHER 1 DOMINANT WAVES	10	12.49	33.657		251.6
77.055 07/08/72 1017GMT 34 54.0N 121 13.0W BOTTOM 574M WIND KT WEATHER DOMINANT WAVES	10	14.66	33.564		300.5
77.060 07/08/72 1433GMT 34 44.0N 121 34.0W BOTTOM 925M WIND 230 15KT WEATHER DOMINANT WAVES 230 12 8	10	14.66	33.607		297.3
77.065 07/08/72 1925GMT 34 34.0N 121 55.0W BOTTOM 3730M WIND 230 20KT WEATHER DOMINANT WAVES 230 12 8	10	15.52	33.525		321.2
77.070 07/08/72 2325GMT 34 24.5N 122 16.0W BOTTOM 3730M WIND 320 20KT WEATHER 1 DOMINANT WAVES 320 12 6	10	15.03	33.349		323.8
82.047 07/10/72 2118GMT 34 15.0N 119 59.0W BOTTOM 574M WIND 230 4KT WEATHER 2 DOMINANT WAVES 240 3 5	10	12.49	33.718		247.1
83.040 07/11/72 0242GMT 34 14.0N 119 22.0W BOTTOM 24M WIND 270 7KT WEATHER 0 DOMINANT WAVES 270 2 3	10	14.28	33.673		284.8
83.043 07/11/72 0052GMT 34 08.0N 119 34.0W BOTTOM 233M WIND 270 13KT WEATHER 0 DOMINANT WAVES 270 2 3	10	15.31	33.669		306.2
83.051 07/10/72 1700GMT 33 52.0N 120 08.5W BOTTOM 112M WIND 310 10KT WEATHER DOMINANT WAVES 320 3 5	10	14.40	33.595		292.9
83.055 07/10/72 1410GMT 33 44.0N 120 24.5W BOTTOM 925M WIND 320 15KT WEATHER 2 DOMINANT WAVES 320 5 5	10	14.27	33.606		289.5

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10 METER DATA

		Z	T	S	02	DT
83.060	07/10/72 1002GMT 33 34.0N 120 45.5W BOTTOM 1664M WIND 320 17KT WEATHER DOMINANT WAVES	10	14.54	33.390		310.8
83.070	07/10/72 0345GMT 33 14.0N 121 26.0W BOTTOM 3737M WIND 220 22KT WEATHER 0 DOMINANT WAVES 230 10 10	10	16.08	33.253		353.0
83.080	07/09/72 1926GMT 32 54.0N 122 08.0W BOTTOM 3737M WIND 230 20KT WEATHER DOMINANT WAVES 240 8 10	10	16.34	33.338		352.4
83.090	07/09/72 1318GMT 32 35.0N 122 50.0W BOTTOM 3737M WIND 320 15KT WEATHER DOMINANT WAVES 340 5 5	10	15.54	33.079		354.2
87.033	07/11/72 0854GMT 33 54.0N 118 29.5W BOTTOM 54M WIND 090 5KT WEATHER 0 DOMINANT WAVES 270 2 3	10	14.90	33.637		300.0
87.035	07/11/72 1031GMT 33 50.0N 118 37.5W BOTTOM 464M WIND 0KT WEATHER 0 DOMINANT WAVES 270 2 3	10	16.68	33.657		338.6
87.040	07/11/72 1427GMT 33 40.0N 118 58.0W BOTTOM 815M WIND 270 2KT WEATHER 0 DOMINANT WAVES 270 2 6	10	17.76	33.665		360.5
87.045	07/11/72 1840GMT 33 30.0N 119 19.0W BOTTOM 1664M WIND 270 10KT WEATHER 2 DOMINANT WAVES 300 5 5	10	17.67	33.650		359.5
87.055	07/12/72 0215GMT 33 10.0N 120 00.0W BOTTOM 1110M WIND 310 20KT WEATHER 1 DOMINANT WAVES 300 10 10	10	15.96	33.608		324.5
87.060	07/12/72 0653GMT 33 00.0N 120 21.0W BOTTOM 650M WIND 320 25KT WEATHER DOMINANT WAVES	10	16.18	33.641		324.9
87.070	07/12/72 1439GMT 32 39.0N 121 02.0W BOTTOM 3737M WIND 320 14KT WEATHER 2 DOMINANT WAVES 310 6 6	10	15.34	33.261		336.7
87.080	07/12/72 2040GMT 32 19.0N 121 43.0W BOTTOM 4411M WIND 320 14KT WEATHER 2 DOMINANT WAVES 310 10 12	10	15.94	33.338		343.2
87.090	07/13/72 0353GMT 31 59.0N 122 24.0W BOTTOM 4685M WIND 320 10KT WEATHER 2 DOMINANT WAVES 310 10 12	10	16.13	33.226		356.0
93.027	07/16/72 1049GMT 32 56.0N 117 19.0W BOTTOM 140M WIND 140 6KT WEATHER DOMINANT WAVES	10	14.92	33.697		409.2
93.028	07/16/72 0940GMT 32 54.5N 117 22.0W BOTTOM 537M WIND 140 6KT WEATHER DOMINANT WAVES	10	18.16	33.660		371.6
93.030	07/16/72 0709GMT 32 50.5N 117 31.0W BOTTOM 796M WIND 180 9KT WEATHER 1 DOMINANT WAVES 320 2 6	10	20.00	33.649		415.4
93.035	07/16/72 0738GMT 32 40.5N 117 51.5W BOTTOM 648M WIND 180 7KT WEATHER 1 DOMINANT WAVES 320 3 7	10	19.42	33.621		403.1
93.040	07/15/72 2320GMT 32 30.0N 118 11.5W BOTTOM 1664M WIND 110 11KT WEATHER 1 DOMINANT WAVES 320 3 4	10	18.37	33.724		379.4
93.045	07/15/72 1908GMT 32 20.0N 118 32.0W BOTTOM 1202M WIND 110 6KT WEATHER 2 DOMINANT WAVES 320 3 4	10	18.08	33.725		363.5
93.050	07/15/72 1538GMT 32 10.0N 118 52.5W BOTTOM 1387M WIND 180 9KT WEATHER 2 DOMINANT WAVES 320 3 8	10	18.05	33.724		362.9
93.055	07/15/72 1143GMT 31 59.5N 119 13.0W BOTTOM 1425M WIND 140 8KT WEATHER 2 DOMINANT WAVES 330 5 5	10	18.51	33.695		375.3
93.060	07/15/72 0757GMT 31 50.0N 119 34.0W BOTTOM 2740M WIND 230 8KT WEATHER DOMINANT WAVES	10	17.24	33.661		350.3
93.070	07/15/72 0140GMT 31 30.0N 120 14.0W BOTTOM 3737M WIND 340 12KT WEATHER 2 DOMINANT WAVES 340 5 5	10	17.42	33.582		353.7
93.080	07/14/72 2011GMT 31 10.0N 120 54.0W BOTTOM 4116M WIND 340 15KT WEATHER 2 DOMINANT WAVES 340 6 7	10	16.88	33.487		353.5

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10 METER DATA

			Z	T	S	02	DT
93.090	07/14/72	1210GMT 30 50.5N 121 34.0W BOTTOM 4116M WIND 340 17KT WEATHER 5 DOMINANT WAVES 340 6 6		10	17.24	33.581	354.7
93.100	07/14/72	0621GMT 30 30.0N 122 14.0W BOTTOM 3737M WIND 340 14KT WEATHER DOMINANT WAVES		10	16.38	33.275	357.9
93.120	07/13/72	2011GMT 29 48.0N 123 34.0W BOTTOM 4308M WIND 340 13KT WEATHER DOMINANT WAVES 320 6 6		10	17.16	33.313	372.4
97.032	07/16/72	1722GMT 32 12.0N 117 15.0W BOTTOM 1387M WIND 180 9KT WEATHER 1 DOMINANT WAVES 180 2 4		10		33.676	
97.035	07/16/72	2012GMT 32 05.5N 117 27.5W BOTTOM 1295M WIND 180 10KT WEATHER 1 DOMINANT WAVES 180 2 5		10	20.10	33.679	415.7
97.040	07/17/72	0029GMT 31 56.0N 117 48.0W BOTTOM 2785M WIND 180 10KT WEATHER 1 DOMINANT WAVES 180 2 5		10	18.42	33.654	376.7
97.045	07/17/72	0436GMT 31 46.0N 118 08.0W BOTTOM 1479M WIND 180 6KT WEATHER DOMINANT WAVES		10	18.92	33.588	393.4
97.050	07/17/72	0857GMT 31 36.0N 118 30.0W BOTTOM 2602M WIND 180 10KT WEATHER DOMINANT WAVES		10	18.34	33.587	379.7
97.055	07/17/72	1402GMT 31 25.5N 118 48.5W BOTTOM 1114M WIND 180 6KT WEATHER DOMINANT WAVES 330 1 8		10	17.42	33.465	367.2
97.060	07/17/72	1711GMT 31 15.5N 119 10.0W BOTTOM 3737M WIND 180 9KT WEATHER 1 DOMINANT WAVES 330 3 8		10	19.12	33.729	388.0
97.070	07/18/72	0036GMT 30 55.0N 119 50.0W BOTTOM 3737M WIND 180 8KT WEATHER 0 DOMINANT WAVES 330 1 8		10	16.63	33.598	339.8
97.080	07/18/72	0720GMT 30 35.0N 120 30.0W BOTTOM 3737M WIND 180 4KT WEATHER DOMINANT WAVES		10	17.10	33.231	377.0
97.090	07/18/72	1326GMT 30 15.0N 121 10.0W BOTTOM 3737M WIND 220 4KT WEATHER 2 DOMINANT WAVES 0		10	17.01	33.418	361.4

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10 METER DATA

			Z	T	S	02	DT
90.032	07/25/72	0936GMT 33 21.0N 118 03.0W BOTTOM 750M WIND 250 4KT WEATHER 1 DOMINANT WAVES 250 2 7		10	20.52	33.692	5.57 425.4
90.045	07/25/72	0153GMT 32 54.5N 118 55.5W BOTTOM 1710M WIND 300 20KT WEATHER 0 DOMINANT WAVES 300 5 4		10	19.12	33.725	5.68 388.3
90.053	07/24/72	2147GMT 32 38.5N 119 29.0W BOTTOM 1295M WIND 320 18KT WEATHER 1 DOMINANT WAVES 320 5 5		10	18.92	33.703	5.61 385.0
90.070	07/24/72	1125GMT 32 04.5N 120 38.5W BOTTOM 3738M WIND 320 18KT WEATHER 2 DOMINANT WAVES 290 5 3		10	17.42	33.528	5.66 362.6
90.090	07/24/72	0024GMT 31 25.0N 122 00.0W BOTTOM 4116M WIND 340 21KT WEATHER 1 DOMINANT WAVES 340 6 3		10	17.90	33.580	5.67 369.9
100.029	07/22/72	0207GMT 31 42.0N 116 43.5W BOTTOM 108M WIND 320 11KT WEATHER 0 DOMINANT WAVES 290 2 3		10	13.88	33.504	5.91 289.2
100.035	07/22/72	0636GMT 31 30.5N 117 07.0W BOTTOM 1202M WIND 320 12KT WEATHER DOMINANT WAVES 320 2 3		10	19.70	33.642	5.46 408.5
100.050	07/22/72	1445GMT 31 00.5N 118 07.0W BOTTOM 2043M WIND 340 18KT WEATHER 2 DOMINANT WAVES 340 4 4		10	18.64	33.542	5.50 390.0
100.070	07/23/72	0136GMT 30 20.5N 119 27.5W BOTTOM 3926M WIND 330 20KT WEATHER 2 DOMINANT WAVES 330 5 4		10	18.38	33.593	5.65 380.2
100.090	07/23/72	1144GMT 29 40.5N 120 47.0W BOTTOM 4022M WIND 340 20KT WEATHER DOMINANT WAVES 340 4 4		10	19.37	33.782	5.43 390.2
103.029	07/21/72	1950GMT 31 07.0N 116 21.0W BOTTOM 28M WIND 290 11KT WEATHER 1 DOMINANT WAVES 300 3 4		10	13.34	33.471	6.09 281.2

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10 METER DATA

	Z	T	S	02	DT
103.030 07/21/72 1844GMT 31 06.ON 116 24.5W BOTTOM 67M WIND 310 12KT WEATHER 1 DOMINANT WAVES 320 3 4	10	15.12	33.458	6.29	317.7
103.040 07/21/72 0753GMT 30 45.5N 117 04.0W BOTTOM 1793M WIND 310 10KT WEATHER 2 DOMINANT WAVES	10	18.80	33.456	5.56	400.1
103.045 07/21/72 0523GMT 30 36.ON 117 24.0W BOTTOM 2227M WIND 320 10KT WEATHER 2 DOMINANT WAVES	10		33.442	5.62	
103.050 07/21/72 0230GMT 30 26.ON 117 44.5W BOTTOM 3263M WIND 320 16KT WEATHER 2 DOMINANT WAVES 320 3 6	10	19.16	33.471	5.54	407.7
103.070 07/20/72 1611GMT 29 46.ON 119 04.0W BOTTOM 3263M WIND 340 10KT WEATHER 2 DOMINANT WAVES 330 1 2	10	18.08	33.342	5.61	391.4
103.080 07/20/72 1013GMT 29 28.5N 119 43.5W BOTTOM 3926M WIND 310 12KT WEATHER 2 DOMINANT WAVES 1	10	19.26	33.638	5.48	393.0
107.031 07/19/72 0414GMT 30 28.ON 116 07.0W BOTTOM 39M WIND 310 10KT WEATHER 2 DOMINANT WAVES 300 2 4	10	17.42	33.512	6.62	363.8
107.032 07/19/72 0448GMT 30 26.ON 116 11.0W BOTTOM 371M WIND 310 14KT WEATHER 1 DOMINANT WAVES 300 2 4	10	15.35	33.453	6.15	322.8
107.035 07/19/72 0658GMT 30 21.ON 116 22.0W BOTTOM 1849M WIND 330 13KT WEATHER DOMINANT WAVES 330 1 3	10	19.07	33.556	5.60	399.3
107.040 07/19/72 0949GMT 30 11.ON 116 42.0W BOTTOM 2791M WIND 330 10KT WEATHER DOMINANT WAVES 330 1 3	10	17.45	33.550	6.87	361.7
107.050 07/19/72 1423GMT 29 50.5N 117 22.0W BOTTOM 2791M WIND 310 13KT WEATHER 1 DOMINANT WAVES 310 3 2	10	19.41	33.569	5.51	406.6
107.070 07/20/72 0115GMT 29 11.ON 118 41.0W BOTTOM 3169M WIND 320 11KT WEATHER 1 DOMINANT WAVES 320 2 3	10	18.68	33.634	5.01	384.3
107.080 07/20/72 0554GMT 28 54.ON 119 20.0W BOTTOM 3642M WIND 310 13KT WEATHER 2 DOMINANT WAVES 300 3 4	10	20.11	33.721	5.35	412.9
110.032 07/18/72 2030GMT 29 51.5N 115 49.5W BOTTOM 52M WIND 310 11KT WEATHER 1 DOMINANT WAVES 300 2 4	10	14.13	33.680	8.00	281.3
110.035 07/18/72 1824GMT 29 46.ON 116 00.0W BOTTOM 1206M WIND 310 9KT WEATHER 1 DOMINANT WAVES 320 2 7	10	16.53	33.709	6.87	329.5
110.045 07/18/72 1120GMT 29 26.5N 116 39.5W BOTTOM 1392M WIND 330 6KT WEATHER DOMINANT WAVES	10	18.60	33.585	5.45	386.0
110.050 07/18/72 0837GMT 29 17.ON 116 58.5W BOTTOM 3832M WIND 330 5KT WEATHER DOMINANT WAVES	10	18.54	33.564	5.86	386.0
110.055 07/18/72 0620GMT 29 06.5N 117 19.0W BOTTOM 3451M WIND 340 4KT WEATHER DOMINANT WAVES	10	18.92	33.588		393.4
110.070 07/17/72 2208GMT 28 35.5N 118 17.0W BOTTOM 3832M WIND 120 4KT WEATHER 1 DOMINANT WAVES 310 1 7	10	18.60	33.538	5.59	389.4
113.029 07/16/72 0500GMT 29 24.ON 115 13.0W BOTTOM 28M WIND 330 2KT WEATHER 0 DOMINANT WAVES 0	10	13.94	33.706	4.67	275.6
113.030 07/16/72 0559GMT 29 22.ON 115 18.0W BOTTOM 63M WIND 200 2KT WEATHER 0 DOMINANT WAVES 0	10	14.94	33.708	8.05	295.7
113.035 07/16/72 0826GMT 29 11.5N 115 38.5W BOTTOM 1298M WIND 270 5KT WEATHER 2 DOMINANT WAVES 0	10	16.06	33.567	6.74	329.6
113.040 07/16/72 1106GMT 29 02.ON 115 56.5W BOTTOM 1856M WIND 120 10KT WEATHER 2 DOMINANT WAVES 1 4	10	17.86	33.508	5.71	374.2
113.045 07/16/72 1758GMT 28 52.ON 116 18.0W BOTTOM 2416M WIND 150 5KT WEATHER 2 DOMINANT WAVES 150 3 5	10	18.70	33.558	5.54	397.3

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			Z	T	S	02	DT
113.050	07/16/72 2048GMT 28 41.5N 116 36.0W BOTTOM 3546M WIND 140 6KKT WEATHER 1 DOMINANT WAVES 150 3 5		10	18.92	33.551	5.54	396.1
113.070	07/17/72 0627GMT 28 02.0N 117 55.0W BOTTOM 3358M WIND 330 4KKT WEATHER 0 DOMINANT WAVES 1 4		10	18.78	33.498	5.56	396.5
113.080	07/17/72 1143GMT 27 42.0N 118 33.5W BOTTOM 3926M WIND 300 3KKT WEATHER DOMINANT WAVES 1 4		10	18.73	33.489	5.57	396.0
117.025	07/15/72 2040GMT 28 58.5N 114 37.0W BOTTOM 35M WIND 100 5KKT WEATHER 0 DOMINANT WAVES 270 1 5		10	15.87	33.669	5.83	318.1
117.026	07/15/72 1927GMT 28 55.0N 114 43.5W BOTTOM 76M WIND 130 1KKT WEATHER 1 DOMINANT WAVES 270 1 4		10	16.75	33.653	6.03	338.5
117.030	07/15/72 1654GMT 28 48.0N 114 56.0W BOTTOM 103M WIND 110 8KKT WEATHER 2 DOMINANT WAVES 330 1 3		10	16.87	33.593	5.88	345.5
117.035	07/15/72 1403GMT 28 38.0N 115 16.0W BOTTOM 205M WIND 330 6KKT WEATHER 2 DOMINANT WAVES 330 1 3		10	16.23	33.571	6.62	333.0
117.040	07/15/72 0839GMT 28 28.0N 115 35.5W BOTTOM 1021M WIND 180 6KKT WEATHER 2 DOMINANT WAVES 330 1 4		10	18.48	33.575	5.73	383.8
117.045	07/15/72 0610GMT 28 18.0N 115 56.0W BOTTOM 3546M WIND 230 4KKT WEATHER 2 DOMINANT WAVES 310 1 4		10	18.23	33.561	5.71	379.0
117.050	07/15/72 0328GMT 28 08.0N 116 15.0W BOTTOM 4213M WIND 250 8KKT WEATHER 2 DOMINANT WAVES 340 1 5		10	18.76	33.697	5.63	382.0
117.070	07/14/72 1704GMT 27 27.5N 117 32.5W BOTTOM 3926M WIND 300 8KKT WEATHER 2 DOMINANT WAVES 300 3 4		10	18.56	33.577	5.58	385.6
117.080	07/14/72 1142GMT 27 08.0N 118 10.5W BOTTOM 4117M WIND 330 11KKT WEATHER DOMINANT WAVES 340 1 3		10	18.59	33.559	5.57	387.6
118.039	07/15/72 1051GMT 28 18.5N 115 23.5W BOTTOM 260M WIND 190 5KKT WEATHER DOMINANT WAVES		10	14.34	33.357	6.26	309.2
119.033	07/13/72 0337GMT 28 19.0N 114 53.0W BOTTOM 112M WIND 320 16KKT WEATHER DOMINANT WAVES 330 2 3		10	17.92	33.696	5.71	361.9
120.024	07/12/72 2217GMT 28 25.0N 114 11.0W BOTTOM 34M WIND 290 10KKT WEATHER 2 DOMINANT WAVES 200 1 4		10	17.84	33.724	5.92	358.0
120.025	07/12/72 2305GMT 28 22.5N 114 15.0W BOTTOM 56M WIND 290 12KKT WEATHER 2 DOMINANT WAVES 300 2 3		10	18.57	33.740	6.25	374.0
120.030	07/13/72 0102GMT 28 12.5N 114 33.5W BOTTOM 93M WIND 320 12KKT WEATHER 2 DOMINANT WAVES 320 2 3		10	17.88	33.661	5.93	363.5
120.035	07/13/72 0545GMT 28 03.0N 114 54.0W BOTTOM 84M WIND 350 8KKT WEATHER DOMINANT WAVES 030 1 3		10	17.94	33.694	5.76	362.5
120.040	07/13/72 0745GMT 27 56.5N 115 14.0W BOTTOM 39M WIND 310 13KKT WEATHER DOMINANT WAVES 310 1 4		10	17.02	33.720	5.30	339.6
120.050	07/13/72 1415GMT 27 33.0N 115 53.0W BOTTOM 4117M WIND 360 16KKT WEATHER 2 DOMINANT WAVES 310 3 3		10	17.98	33.708	5.72	362.4
120.070	07/14/72 0003GMT 26 52.0N 117 09.5W BOTTOM 3926M WIND 330 11KKT WEATHER 1 DOMINANT WAVES 340 1 3		10	18.66	33.641	5.63	383.3
120.080	07/14/72 0723GMT 26 33.0N 117 49.0W BOTTOM 3926M WIND 340 11KKT WEATHER DOMINANT WAVES 340 1 3		10	19.06	33.775	5.51	383.2
123.036	07/12/72 1312GMT 27 26.0N 114 36.0W BOTTOM 88M WIND 230 2KKT WEATHER 1 DOMINANT WAVES 260 2 5		10	13.08	34.035	2.65	234.8
123.037	07/12/72 1217GMT 27 24.5N 114 40.0W BOTTOM 73M WIND 310 1KKT WEATHER DOMINANT WAVES 290 1 6		10	13.98	33.948	4.54	258.7

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10 METER DATA

			Z	T	S	02	DT
123.042	07/12/72	0925GMT 27 14.0N 114 59.0W BOTTOM 2135M WIND 230 17KT WEATHER DOMINANT WAVES 310 4 4		10	16.00	33.666	5.08 321.1
123.045	07/12/72	0710GMT 27 08.0N 115 11.5W BOTTOM 4117M WIND 310 11KT WEATHER DOMINANT WAVES 310 4 3		10	17.99	33.647	5.89 367.1
123.050	07/12/72	0403GMT 26 58.0N 115 31.0W BOTTOM 3358M WIND 320 20KT WEATHER DOMINANT WAVES 330 3 5		10	18.45	33.710	5.67 373.3
123.060	07/11/72	2326GMT 26 38.5N 116 09.0W BOTTOM 3926M WIND 320 15KT WEATHER 1 DOMINANT WAVES 330 4 5		10	19.20	33.733	5.51 389.6
127.033	07/11/72	0420GMT 26 57.5N 114 02.0W BOTTOM 65M WIND 270 11KT WEATHER DOMINANT WAVES 270 4 4		10	15.51	34.015	3.76 285.2
127.034	07/11/72	0522GMT 26 55.0N 114 06.5W BOTTOM 84M WIND 310 14KT WEATHER DOMINANT WAVES 270 4 4		10	16.30		6.43
127.040	07/11/72	0821GMT 26 43.5N 114 29.0W BOTTOM 3263M WIND 310 10KT WEATHER DOMINANT WAVES		10	18.23	33.681	2.520 370.3
127.045	07/11/72	1118GMT 26 33.0N 114 48.5W BOTTOM 3546M WIND 310 12KT WEATHER 0 DOMINANT WAVES 290 3 4		10	18.92	33.679	5.60 386.8
127.050	07/11/72	1353GMT 26 23.0N 115 07.0W BOTTOM 3452M WIND 340 15KT WEATHER 2 DOMINANT WAVES 310 2 4		10	18.86	33.705	5.52 383.5
127.060	07/11/72	1837GMT 26 04.0N 115 46.0W BOTTOM 3832M WIND 320 12KT WEATHER 1 DOMINANT WAVES 330 2 5		10	19.58	33.897	387.0
130.030	07/10/72	2112GMT 26 29.0N 113 29.0W BOTTOM 80M WIND 270 11KT WEATHER 0 DOMINANT WAVES 300 5 3		10	18.07	34.120	5.74 334.6
130.035	07/10/72	1914GMT 26 19.0N 113 48.0W BOTTOM 650M WIND 300 14KT WEATHER 0 DOMINANT WAVES 300 4 4		10	16.40	33.776	6.14 321.8
130.050	07/10/72	0938GMT 25 49.0N 114 46.0W BOTTOM 3642M WIND 350 20KT WEATHER 2 DOMINANT WAVES 320 3 5		10	19.94	33.831	400.7
133.023	07/09/72	0330GMT 26 08.5N 112 40.0W BOTTOM 75M WIND 240 15KT WEATHER DOMINANT WAVES		10	21.75	34.166	422.7
133.025	07/09/72	0504GMT 26 04.5N 112 48.0W BOTTOM 84M WIND 280 12KT WEATHER 0 DOMINANT WAVES 310 3 4		10	19.54	34.115	5.27 370.2
133.030	07/09/72	0715GMT 25 54.5N 113 07.5W BOTTOM 223M WIND 310 16KT WEATHER 0 DOMINANT WAVES 300 4 5		10	18.37	33.877	6.17 359.3
133.035	07/09/72	1015GMT 25 44.5N 113 26.5W BOTTOM 390M WIND 270 10KT WEATHER 0 DOMINANT WAVES 320 4 5		10	17.48	33.673	5.94 353.5
133.040	07/09/72	1247GMT 25 34.5N 113 45.5W BOTTOM 3358M WIND 320 18KT WEATHER 1 DOMINANT WAVES 310 3 4		10	16.91	33.632	5.77 343.6
133.050	07/09/72	1723GMT 25 14.5N 114 24.0W BOTTOM 3738M WIND 320 14KT WEATHER 1 DOMINANT WAVES 320 4 4		10	20.15	33.832	5.41 405.7
133.060	07/09/72	2248GMT 24 54.5N 115 02.0W BOTTOM 4022M WIND 320 18KT WEATHER 2 DOMINANT WAVES 310 4 3		10	22.15	33.766	5.64 465.2
137.022	07/08/72	2345GMT 25 35.5N 112 15.0W BOTTOM 50M WIND 290 10KT WEATHER 0 DOMINANT WAVES 290 3 5		10	19.68	34.212	366.6
137.030	07/08/72	1826GMT 25 20.0N 112 46.0W BOTTOM 371M WIND 330 13KT WEATHER 0 DOMINANT WAVES 290 3 4		10	19.64	34.039	5.73 378.2
137.035	07/08/72	1553GMT 25 10.0N 113 04.5W BOTTOM 1392M WIND 300 10KT WEATHER 0 DOMINANT WAVES 300 4 6		10	17.26	33.762	542.7
137.050	07/08/72	0650GMT 24 40.0N 114 02.0W BOTTOM 3738M WIND 360 12KT WEATHER 0 DOMINANT WAVES 310 2 4		10	20.36	33.89	5.48 407.0

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